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JULY 5, 1947

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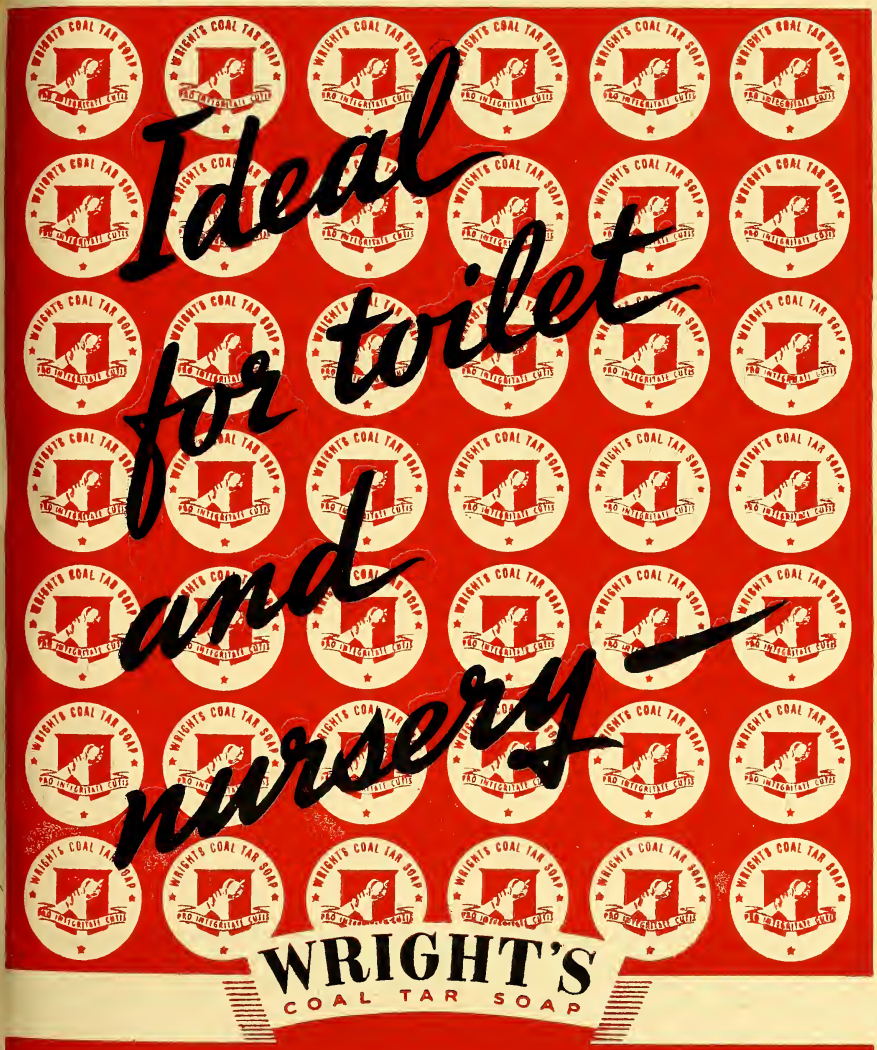

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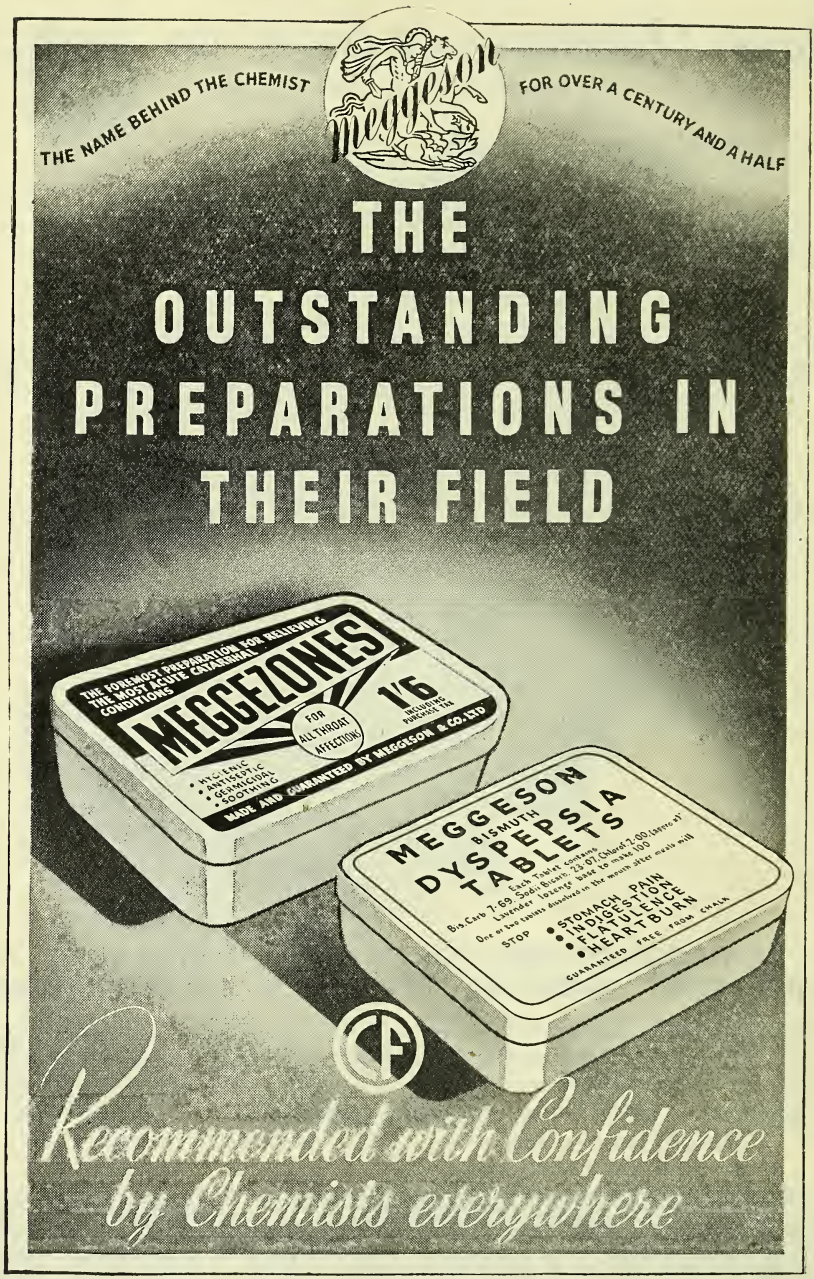

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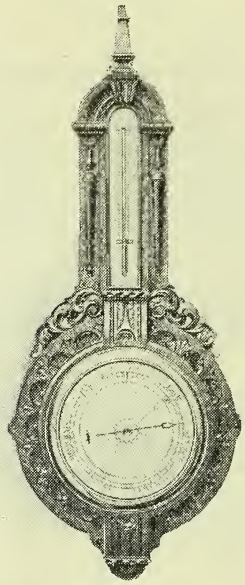

WEATHER FORECAST

The one thing that's certain about Late Summer is that nothing is certain. Warm spells will come without warning and vanish without a trace. And it's just those bursts of sultry weather that so often start a dog painfully scratching, lying about listlessly or going off his feed; that make the need for conditioning obvious; that suddenly raise the demand for Bob Martin's Condition Powder Tablets.

So our advice is: see that you've good stocks of Bob Martin's. See that you've plenty of copies of " Your Dog " by Bob Martin. Write for some of the new display material if you haven't done so already. And tell us if we can help in any other way.

BOB MARTIN LIMITED SOUTHPORT LANCS.

P.A.T.A.

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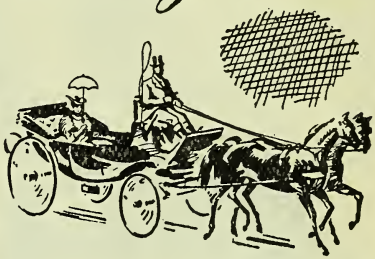

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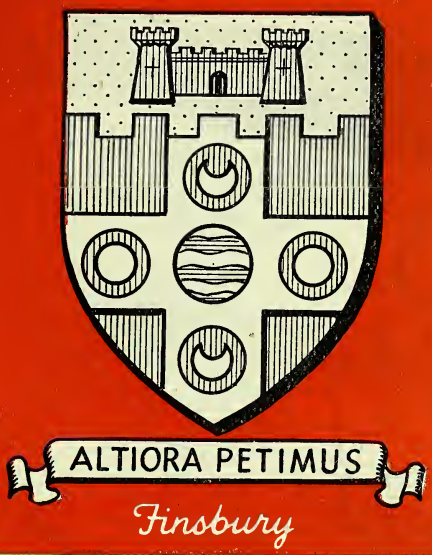

The Borough's Armorial Bearings were granted under Letters Patent dated 7th May, 1931, and convey references to local history and connections. The White Cross is the Cross of St. John, the Headquarters of the Order being at St. John's Gate. The wavy centre represents the Thames. The four Circles are taken from the Arms of Thomas Sutton, founder of Charterhouse. The Embattlement refers to the City Wall and the Towers and Gateway suggest Aldersgate, Cripplegate and Moorgate.

Once a dreary waste outside the City Walls, Finsbury is now one of the busy commercial areas of London. It is full of historical interest. The Bunhill Fields Burial Ground (deriving its name from Bone-hill) contains the remains of such famous people as Daniel Defoe, John Bunyan, Dr. Isaac Watts and William Blake. In the neighbourhood of the Burial Ground is the Headquarters of the Honourable Artillery Company, which had its origin in the reign of William Rufus, when citizens found it necessary to band themselves together as an Armed Company.

The Borough's Motto is " We seek higher things."

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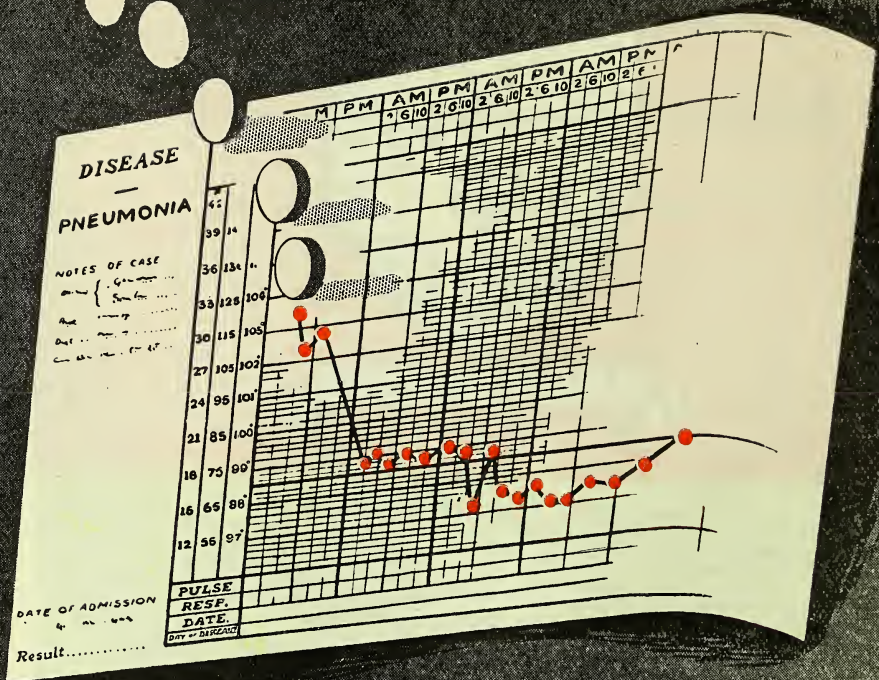

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3 gm. per 9 c.c.—Boxes of 5 and 25.

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W. J. RENDELL LTD.
MANUFACTURING CHEMISTS
161-5 ROSEBERY AVE, LONDON E.C.1

PRODUCTS FOR FEMININE HYGIENE

There's plenty of

Johnson's BABY POWDER

—but it's meant for babies only

It's a happy mother who can buy Johnson's Baby Powder to soothe her baby's sensitive skin. But she can't always get it unless retailers keep their stocks only for mothers of small babies.

JOHNSON & JOHNSON (GT. BRITAIN) LTD., SLOUGH AND GARGRAVE

ARE *you** THE CHEMIST WHO LOST THIS SALE ?

The makers of 'Curicones' have received this letter:

Dear Sirs,

I shall be obliged if you will inform me whether your usual offer of large packs of Curicones at 24/- is withdrawn, as on enquiring for one of these yesterday from .....* I was told the offer was no longer in operation and I could only have the usual single bottle at 5/-.

As I have been a regular user of Curicones for a number of years with beneficial results and have hitherto been able to secure one of the larger packs periodically, about twice a year when my attacks have been recurring, I was surprised at this reply, when I see the actual advertisement of the large pack is still on the single bottle I received yesterday.

I am, yours respectfully,

(The original of the above letter may be inspected at our offices.)

You make NEARLY 5 TIMES THE PROFIT for one-sixth of the trouble by supplying the 'CURICONES' 24/- Pack. YOU ARE LOSING SALES IF YOU ARE NOT STOCKING THE 24/- SIZE 'CURICONES.'

The 24/- pack, the FULL Course, contains 6 times the quantity of the 5/- size, and shows you nearly 5 times the profit for one-sixth of the trouble. Your ability to supply the 24/- size ensures that the customer purchases the full course of treatment from you at one time; your turnover is quicker; you cement good-will because obstinate cases of Rheumatic Complaints yield to the full course of 'Curicones.'

Order a ¼ doz. from your wholesaler today

P.A.T.A.

LARGE SIZE 24/-

CURICONES

FOR THE RELIEF OF RHEUMATISM & KINDRED TROUBLES

Remember 'Curicones' is a P.A.T.A. Line showing 33⅓% profit. Nationally advertised and recommended by the medical profession

Showcard sent on request

STEPHEN MATTHEWS & Co. Ltd.
191/2 FARRINGDON ST., LONDON, E.C.4

"OXOID"
Therapeutical Preparations

"PITOXYLIN"
BRAND

Pituitary Extract (Posterior Lobe)

Use

INDUCTION OF LABOUR

UTERINE INERTIA

POST-PARTUM HAEMORRHAGE

SURGICAL SHOCK

DIABETES INSIPIDUS

Supplied

Bottles —
10 c.c. and 20 c.c.
(Strength—10 I.U. per c.c.)

Ampoules —
0.5 c.c. and 1 c.c.
(Strength—5 and 10 I.U. per c.c.)

Notes

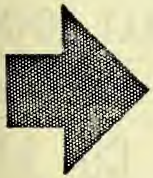
"Pitoxylin" is Protein free. Further information on this preparation may be obtained from "Oxoid" Leaflet No. 123.

OXO LIMITED
(Medical Dept.)
Thames House, Queen St. Place, London, E.C.4

SevenSeaS

COD LIVER OIL

Presents to the chemist the best opportunity for increasing turnover and profits. The public have never before been so fully aware of their need for more fats and more vitamins and SEVENSEAS is the best answer for both.



It is to the chemist's advantage to render National Service by pushing sales

ISSUED BY BRITISH COD LIVER OILS (HULL & GRIMSBY) LTD.
ST. ANDREW'S DOCK, HULL.

PATA

Ki-uma Ointment for the relief of

RHEUMATIC CONDITIONS
STIFF & SWOLLEN JOINTS
BRUISES, STIFF NECK, Etc.

Pack	Retail in.P.T.	Trade doz	PurTax doz
Tins	3/4½	27/-	4/6
1 lb. Cartons	22/6	180/-	30/-

From your C. F. Wholesaler, or in case of difficulty, from the manufacturers

WESTMINSTER LABORATORIES LTD.
Chalcot Rd., London, N.W.1
Telephone : PRImrose 3395/6/7

GROUND
DRIED YEAST
MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

HARRINGTONS *Brand*
ASPIRINS
7½ & 5 grain Packed 10's to 1,000's
HOME AND EXPORT
London Office : 2 BERRIDGE Grn., EDGWARE, LONDON

SD2
The Symbol of PERFECT Skin Health
A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.
BIO-COLLOIDS, LTD., ALTRINHCAM, CHES.
PATA
BC 20

MILLAMALT *The* VITAMIN MALT FOOD
Sole Manufacturers With Vitamins (A. 6,500 I.U., D. 400 I.U. per fl. oz.
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept.: 19 BrooksideRd., N.

FRANCO-BRITISH ELECTRICAL CO. LTD.
For Ampoules & Vials.
FIRTH STREET GLASSWORKS
LEEDS 9

Something out of the Ordinary!

4 oz. bottle 2/6 inc. tax.
Subject to 33⅓ discount.

This recent development in calamine therapy incorporates the unsaturated fatty acids as contained in ESOBAN OINTMENT and has many advantages over ordinary calamine preparations.

ESōBAN
Cream OF CALAMINE

WINDOW DISPLAYS

Throughout July and August will show you good profits and link up with advertisements appearing in the National Press. Showcards available on request.

Supplied through all C.F. Wholesalers P.A.T.A.

A Product of
SOUTHON LABORATORIES, LTD., LONDON, S.W.15.

AN
INSECT REPELLENT CREAM

OF THE MOST MODERN TYPE IN ATTRACTIVE

TUBES, CARTONS AND DISPLAY OUTERS

A pack which was *PROVED* last season as one that fills public demand for handiness on all occasions.

RETAIL **1/9** including Purchase Tax at 16⅔%

C.F. Profits plus extra discounts on 3, 6 and 12 dozen lots.

Telephone: BYRon 1440/1800
Telegrams: Damancy, Harrow

DAMANCY & CO·LTD HARROW MIDDX.
ESTABLISHED 1890

50 Years' Test—

has proved the value of

GET YOUR CUSTOMER TO TRY IT!
Retail price (including tax) 1/8
(Wholesale terms 12/- doz. Tax 2/- doz.)
LOFTHOUSE & SALTMER, LIMITED, HULL

Re-arm your customers for increased fitness

More and more of your customers are being told abo
VOL-VITE—the chocolate-coated multi-vitamin tablets with
standardised content of vitamins A, B_1, C and D_2. Daily th
will be reading in national advertisements now appearing, ho
VOL-VITE can help to re-arm them to increased fitness in t
drive to national recovery. Be prepared for their demands
ordering today from your usual wholesaler or direct from t
sole distributors.

25 days' supply costs 4/6
36/- doz. in units of 1 doz. tin

VOL-VITE P.A.T.A

The chocolate-coated multi-vitamin tablets
Another HOWARD-TAYLOR product

Sole distributors : **W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LTD**
Horseshoe Lane, Enfield, Mddsx. ENFIELD 4747 (10 lines)

PRICE INCREASE

Rising costs have necessitated an increase in the prices of Yestamin Vitamin Yeast, but it still remains the finest value obtainable.

Yestamin

VITAMIN **YEAST**

Vitamin B1	2.10 *mgms. per oz.*
Riboflavin(B2)	1.45 *mgms. per oz.*
Niacin	9.50 *mgms. per oz.*

NEW PRICES

In Bottles	*Retail*	*Trade*
100 TABLETS	1/6	12/3 PER DOZ.
300 TABLETS	4/-	33/- PER DOZ.

Less 5% Cash in 14 days

THE ENGLISH GRAINS Co. Ltd., Burton-on-Trent

EOSOL

TETRAHYDROFURFURYL ACETATE

the new lipstick solvent

CRODA LTD SNAITH. GOOLE. YORK

"CHARMONY"
REGD.

SOAPLESS SHAMPOO
"Rosemary"

MUNRO VITAREX LIMITED
6, ST. FAITH'S ROAD LONDON S.E.21.

P.A.T.A.

EMERGENCY PACKING

URALYSOL

We regret that owing to the continuing bottle shortage, we have been compelled to adopt a temporary packing, as illustrated.

SUPPLIES OF URALYSOL ARE FREELY AVAILABLE

P.A.T.A. 36/7d. per dozen. RETAIL 3/11½d. (including Purchase Tax).

CONTINENTAL LABORATORIES LIMITED

101, Gt. Russell Street, W.C.1. 'Phone MUSEUM 2042/3

FENNINGS

FAMOUS FOR OVER 80 YEARS

P.A.T.A.

FENNINGS' CHILDREN'S POWDERS **1/3, 3/-, 5/-, 12/-**

FENNINGS' LITTLE HEALERS
For Coughs, Colds, Bronchitis, etc. **1/3** and **3/-.** Also **6/-** Carton of 12 Packets, retailing at **6d.** each.

FENNINGS' FEVER MIXTURE ... ... **1/3** a bottle
(If difficult to obtain write direct to Messrs. SUTTON & SONS, 12 Brandon Rd., London, N.7.)

FENNINGS' ADULT POWDERS **1/3, 3/-**

FENNINGS' OINTMENT. Demand Steadily Increasing.
For Cuts, Burns, Bruises, Chilblains, etc. **1/3** a tin

FENNINGS' STOMACH STRENGTHENERS ... **1/3** and **3/-** boxes

FENNINGS' RHEUMATIC DROPS ... ... **1/3** a bottle

Please address orders and inquiries to your Wholesaler

PROPRIETORS: **THE TRUSTEES OF ALFRED FENNINGS (DECEASED)**
COWES, Isle of Wight

SUPPLIES AVAILABLE

See that your Pharmacy stocks products which yo can recommend yourself made by an old establish company who have always pioneered the way to better, unique and "PLUS" product

	Retail	Tax	Wholesale	Tax	Your Profit
*FROZOCLONE	*2/4	+1/7	18/8 per doz.	18/8 per doz.	**10·6d. per ur**
*CARNATE	*2/2	+1/6	17/4 per doz.	17/4 per doz.	**8·6d. per ur**
SPIC SOAPLESS SHAMPOOS Superfatted and with better foam	6d.	+ 1½d.	48/– per gross	16/– per gross	**24/– per gro**
SPIC DEODORANT LIQUID (2 oz. bottles)	1/6	+ 4d.	12/– per doz.	4/– per doz.	**6·0d. per ur**
SANA POWDER (Heals and protects the skin, deodorant)	3/4½	+ 4½d.	26/8 per doz.	4/6 per doz.	**15·0d. per ur**
SKREEN (The new insect Repellent with "plus" features—see announcement in Chemist & Druggist of June 28)	2/8	+ 4d.	21/4 per doz.	3/7 per doz.	**12·6d. per ur**
POMP (The Moth proofing liquid with the "plus" ingredient P.C.S. giving unusual permanency)	3/9	Nil	30/– per doz.	Nil	**15·6d. per ur**
POMP Sprayer—new registered design giving easier action and better spraying	4/–	Nil	32/– per doz.	Nil	**16·0d. per ur**
POMP "D.D.T." Powder	1/6	Nil	12/– per doz.	Nil	**6·0d. per ur**

**We regret that, in view of increased costs, it has been found necessary to increase these pric for the first time for 15 years—your profit has increased too.*

R. DEMUTH LIMITED

LONDON, N.W.6 and MAVINS COURT, FARNHAM, SURREY **Farnham 51**

'SEPTISOL'

for Diaper Rash

NURSERY OINTMENT

★

'SEPTISOL'

for Better Baby Bathing

BABY SOAP

★

Give Profit and Prestige, and ensure Repeat Demand

'SEPTISOL' LIMITED
28 KENNEDY ST. MANCHESTER 2.

Tessa

LIPSTICKS and REFILLS

Cosmetized from ou exclusive America Formula into the Season's latest shades

★ YOU ARE SUPPORTED BY EXTENSIVE ADVERTISING ★

Send for Shade Card and details of Trade terms.

J. DUNHILL MANUFACTURING CO
17 WOODSTOCK STREET, LONDON, W
TELEPHONE: MAYFAIR 1603

PERFUMERY RAW MATERIALS

CARVANSONS LTD.

FOR SOAP, COSMETIC AND PERFUME MANUFACTURERS

MONTON LANE WORKS, ECCLES, LANCASHIRE

Phone: ECCLES 2316. Grams: CARVANSONS, MANCHESTER

P.A.S.

POWDER PUFFS

Finest-Quality

the sign for quality products MADE IN ENGLAND

'FABULO'

The well known Metal Curlers

Both lines our own manufacture

TWEEZERS, NAIL FILES, SCISSORS (All kinds), TOOTH BRUSHES, NAIL BRUSHES, ALL KINDS OF COMBS, HAIR GRIPS and HAIR NETS, BEST QUAL. LACQUER, REMOVER, etc.

Ask for Price List

HAETAM LTD

63 CORPORATION STREET, MANCHESTER, 4

SWANDOWN

Beauty Film Make-up

Cash in with this new-comer to the famous Swandown range. It's selling as fast as women can make up! Retailing at 5/10, inc. tax, in the following shades: Rachel, Naturelle, Peach, Rose-Indian, Summer-Tan. *Order from your wholesaler or direct from:*

HENRY TETLOW CO. LTD.,
Beresford Avenue, Wembley, Middx.

new prices

bandbox *shampoo*

Commencing July 1st, 1947, owing to increased costs, the following prices will apply on all deliveries.

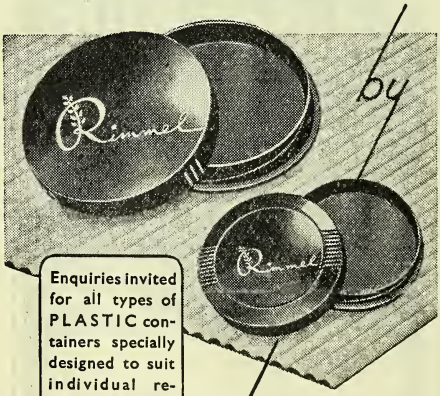
Would you kindly adjust your selling prices accordingly.

	NEW PRICE	RETAILER	P.T.	Packed in Units o
7/6 size	**no change**	now 50/–doz.	16/8 doz.	6
3/9 size	**now 4/3**	now 28/6 „	9/6 „	12
2/– size	**now 2/6**	now 16/6 „	5/6 „	24
New size	**10½d.**	72/– grs.	24/– grs.	36

The 3 large sizes now show 33% margin.

ASHE LABORATORIES LTD., 120-22 VICTORIA ST., LONDON, S.W.1

PLASTIC *Containers* MANUFACTURED *by*



Enquiries invited for all types of PLASTIC containers specially designed to suit individual requirements

Madelox Limited

TELEPHONE BLAckfriars 0177/8

Dept. A.
168 CORPORATION STREET
MANCHESTER

★

The products made by

Jean Sorelle

are making rapid progress through beautiful packaging and reasonable prices.

Eau de Cologne, Lavender Water and Brilliantine —in bulk or bottles.

Bath Salts in bulk, printed Cellophane bags or printed tins.

Talcum Powder in printed sprinkler tins.

Fine Bath Crystals in attractive painted tins.

Other lines in preparation.

• JEAN SORELLE LTD •

Manufacturers of Fine Toilet Preparations,
22 TURLE ROAD, LONDON N.4.

SOAP
SHAVING STICK
OINTMENT
TALCUM

—for Sensitive Skins!

302

AN ADVANCEMENT IN DERMATOLOGICAL THERAPY

SOME MEDICAL TESTIMONIALS

"Keroderm gave immediate relief."

"The trouble completely disappeared in a month."

"Outstandingly good results."

"I am carrying out treatment in a most persistent case of Varicose Ulcer which is responding well after 12 months with no improvement."

The success of Keroderm in the treatment of Dermatitis and other skin affections continues as more and more trials are made by doctors in cases of extreme persistence.
Keroderm incorporates a new chemical compound; bismuth oxyquinolinate; flounder oil (Vitamins A and D), isolinoleic acid, splenic extracts and orchitic extracts, together with a specially devised excipient.

KERODERM
BRAND OINTMENT

SAMPLE, Formula and LITERATURE on request

SCIENTIFIC PHARMACALS LTD
INNOXA HOUSE, BALLS POND ROAD, LONDON, N.1

A SPLENDOR PRODUCT

YOU OUGHT TO STOCK!

An excellent formula
—a striking pack
—a rapid seller
and steadily advertised.

3½d., 6½d., 1/5 and 2/6 Incl. P. Tax

Prompt delivery from all wholesalers or direct from

SPLENDOR LTD.
LONDON and NOTTINGHAM

PROPAX

DOUBLE POWER
TABLETS

REALLY STOP PAIN P.A.T.A

SHADEINE
FOR GREY HAIR

FIFTY YEARS' REPUTATION

All shades. Two sizes only at present. Retail prices 2/6. and 4/10 (including Purchase tax).

STOCKED BY ALL LEADING WHOLESALERS

KOKO *FOR THE* HAIR

50 years' reputation as
HAIR TONIC and DRESSING
PROMOTES GROWTH
STOPS FALLING HAIR
CLEARS DANDRUFF
Delightfully perfumed
Thousands of testimonials

Stocks available at Wholesalers.
KOKO MARICOPAS CO. LTD., 3, Fleet Lane, E.C.4

'Conditioning' theme!

OVERTURE to Skin Care..

Opening movement to complexion beauty!

Its use needs no virtuoso touch; rich, emollient, deeply penetrating, the regular use of Coty Conditioning Cream prepares the way to that lasting smoothness essential to a healthy skin. 6/9

Conditioning Cream

Coty

Other beauty essentials:—Cleansing Cream for dry and normal skin, Skin Freshner and Special Astringent.

COTY plans new ★Conditioning Cream Campaign in

NATIONAL DAILIES SUNDAY PAPERS COLOUR MAGAZINES

★ *STRESSING ALSO COTY CLEANSING CREAM — SKIN FRESHNER!*

Watch for this latest series — something *new* in Beauty Lines advertising, planned for Summer-Autumn by Coty. Here is the first National Press advertisement, others follow. Make them work for you by featuring the preparations they stress :

Coty

CONDITIONING CREAM
No. 27 retail price **6/9**

CLEANSING CREAM
No. 37 for Dry Skin
No. 37b for Normal Skin
Retail price **5/10**

SKIN FRESHNER (2 sizes)
No. 60 retail price **6/9**
No. 60 Bis retail price **12/6**

COTY (ENGLAND) LTD., 'COTY HOUSE,' 3 STRATFORD PLACE, LONDON, W.1. MAYFAIR 7244

46/5

This is "Sparkie," who will appear in the SPA Film to be released in nearly 600 cinemas.

There is no finer toothbrush made—anywhere. It costs a little more—but it gives it all back, and more, in extra wear. It is a quality article in every sense of the word—one that you can unhesitatingly recommend to your customers.

A P.A.T.A. article.

John Freeman & Co., Ltd.
"Spa" Brush Works, Chesham, Bucks.

for the
"EXQUISITE"
in
CONCENTRATED FRAGRANCE

PREEMO

perfume essences

. . . are economical and easy to u
These advantages, combined with essent
purity and flower-like fragrance, are the a
important reasons why Manufacturers a
Chemists of repute always specify Preen
Perfume Essences. Thus have Preen
Essences maintained for many years
reputation second to none. They are t
perfect basis for the production of Beaut
Toilet and Cosmetic preparations of qualit

THE ESSENCE OF A GOOD PERFUM

PREEMO LIQUID COLOURS

For Lotions, Frictions, Shampoo
Bath Salts, Oils, Creams, Pomade
Powders and Perfumes

★ *PRICE LIST ON REQUEST*

PREEMO & SILKS TOILET CO
330 KILBURN HIGH RD., N.W.
PHONE: MAIDA VALE 3234

In GROWING *demand* . . .

Its well-balanced formula, fine quality and finish, and accurate preparation — checked at every stage by strict analytical control — combine to make 'Tabloid' brand 'Empirin' Compound with Codeine the first choice of an increasing number of prescribers whenever an effective yet safe analgesic is required. Medical press and postal advertising and regular detailing are building up a record prescription demand for this outstanding 'B. W. & Co.' product — make sure that your stocks are adequate.

'TABLOID' 'EMPIRIN'
COMPOUND
WITH CODEINE

'Empirin'
Acetylsalicylic Acid ... ...gr. 3½
Phenacetin... ... ...gr. 2½
Caffeine ... ...gr. ½
Codeine ... ...gr. 1/10

Bottles of 25, 2s. 3d.
(*plus 3½d. Purchase Tax*)

Bottles of 100, 7s. 9d.
(*plus 11½d. Purchase Tax*)

Bottles of 500, 35s. 0d.
(*plus 4s. 4½d. Purchase Tax*)

(Subject to Trade Discount)

'TABLOID' **'EMPIRIN'**
COMPOUND
WITH CODEINE

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

HAY FEVER

NASAL CONGESTION

- Prompt and prolonged relief
- Economical and effective
- Non-irritant

ONLY 3 DROPS

in each nostril produce prompt and prolonged vasoconstriction
provide symptomatic relief from nasal congestion for 2-6 hours without reapplication
ensure economical and effective medication.

PRIVINE

REGISTERED TRADE MARK

1:2000 Solution for general use.

1:1000 Solution also available.

Bottles of ½ fl. oz. with dropper and 4 fl. oz.

Price List on request
Supplies through usual channels.

CIBA LABORATORIES LIMITED
HORSHAM - SUSSEX
Telephone : Horsham 1234 *Telegrams :* Cibalabs, Horsham

The
CHEMIST AND DRUGGIST
For RETAILER—WHOLESALER—MANUFACTURER
Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2
Telegrams : "CHEMICUS, ESTRAND, LONDON." *Telephone : CENTRAL 6565 (10 lines)*

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NEWS OF THE WEEK

Conferences of Pharmacists. — A conference of representatives of Pharmaceutical Committees is being held at the Conway Hall, Red Lion Square, London, W.C.1, at 10.30 a.m., on Thursday, July 17. It will be followed, at 2.30 p.m., by a conference of branch representatives of the National Pharmaceutical Union.

Presentation of Medals.—At a ceremony of the Royal Society of Medicine on July 1, the Society's Gold Medal was presented to Sir Alexander Fleming and Sir Howard Florey (in his absence) for their work in the discovery and elaboration of penicillin. The Hickman medal was presented to Professor R. R. Mackintosh, who is the first professor of anæsthetics in Britain.

Surrender of Health Cards.—To ease the task of compiling records required for the new scheme of National Insurance, the Minister of National Insurance has appealed to employers to return to their employees without delay stamped Health Insurance cards for 1946-47 so that they may be forwarded at once to the approved societies.

Potash Fertilisers Decontrolled.—The Control of Fertilisers (No. 34) Order, 1947, issued recently by the Board of Trade, revokes, from July 1, the Order controlling the acquisition and disposal of potassic fertilisers (including compound fertilisers containing potash) in Great Britain. Copies of the Order (S.R. & O., 1947, No. 1319) may be obtained from H.M. Stationery Office, price one penny.

Works Explosion.—An explosion occurred at the Mitcham factory of W. J. Bush & Co., Ltd., on July 1. Damage was caused to a small section of the works, which it is anticipated will soon be brought into full operation again. The directors of Messrs. Bush announce, with regret, that five men suffered facial and hand burns from the explosion and were detained in hospital.

Sugar for Manufacturers.—Following a gradual improvement in world supplies of sugar, the Minister of Food issued an announcement on June 27 that, in addition to a slight increment to the individual ration, there would be an increase in the

total quantity of sugar distributed to manufacturers. The "relative merits of the claims of manufacturers will be most carefully considered," the statement runs, "so that the limited amount of sugar available for this purpose will be distributed to the best advantage of the public."

British Standards Institution.—At the annual meeting of the British Standards Institution held in London on June 27, Lord McGowan was elected *President* in succession to Lord Woolton. It was announced that Sir Clifford Paterson, F.R.S., had been elected chairman of the Institution's general council in succession to Sir William Larke. The annual report and accounts show that substantial progress has been made in the preparation of standards for industrial products and consumer goods for the home and export trade.

Army Educational Council.—An advisory council for the Military College of Science has been set up to advise the War Office on its scientific and technical education and will maintain contact with the universities and institutes to supplement the resources of the college by outside courses. The members, with Sir Henry Tizard in the chair, are: Professor J. F. Baker, Sir James Chadwick, Professor R. A. Peters, Professor E. K. Rideal, Dr. A. E. Trueman, Sir Sidney Kirkman, Dr. O. H. Wansborough-Jones, and Lieutenant-general F. Wrisberg. It is hoped to make arrangements for students to be permitted to sit for external degrees in the natural and mechanical sciences.

Memento of War-time Co-operation.—The directors of J. Grossmith & Son, Ltd., entertained the directors and staff of Potter & Moore, Ltd., at a luncheon held in London on June 5. Mr. R. G. Dyas (managing director, J. Grossmith & Son, Ltd.) was in the chair, and the guests included Mr. A. E. Pitt (chairman and managing director, Potter & Moore, Ltd.). Dr. P. C. C. Isherwood (chairman and managing director, W. J. Bush & Co., Ltd.), and Messrs. Eric Bush, A. E. L. Slann, A. H. Clark, A. J. Madden and E. A. Gedge. Mr. Dyas said the luncheon was an expression of his company's gratitude to Messrs. Potter & Moore, who had offered them accommodation when, in 1940, their own premises had been destroyed by fire. He then presented to Mr. Pitt a plaque to serve as a permanent memento of the happy relations

"Concentrated" firm's souvenir to hosts

that had existed between the two companies. Thanking Mr. Dyas for the gift, Mr. Pitt suitably replied. Dr. Isherwood and Messrs. Bush, Morgan, Clark and Madden also spoke.

Birmingham Analyst's Report. — The report of the Birmingham city analyst for the first quarter of 1947 states that, of 198 samples of drugs taken, twelve proved incorrect. A sample of boric ointment contained 10 per cent. of boric acid instead of the 1 per cent. required by the Seventh Addendum to the British Pharmacopœia. The pharmacist concerned had no copy of the Addendum. The label on a sample of cod-liver oil stated, among other things, that it was "especially recommended for consumption." Further, several statements comparing the vitamin A content with that of certain foods were "highly exaggerated." The Pharmaceutical Society, to which the situation was reported, issued warnings both to the retailers and the manufacturers. Inaccurate formulas were found printed on the labels of cold and influenza mixtures (two samples), eye lotions (two samples), and formalin tablets. Samples of cream of tartar, Glauber's salt, sal volatile, seidlitz powders and tannic acid jelly were found to be deficient. In each instance a warning was issued and no prosecutions were initiated.

Tax Evasion Warning.—H.M. Customs and Excise have again drawn the attention of traders dealing in goods chargeable with purchase tax to Section 17 (2) of the Finance Act, 1944. Under this Section it is an offence, they point out, subject to heavy penalties, for anyone to acquire possession of, or deal in, any goods, having reason to believe that tax on the goods has been,

or will be, evaded. Unregistered traders when buying chargeable goods should satisfy themselves that the tax has been or will be duly paid. If they buy from unknown or suspect persons, without invoices or on invoices which there is reason to suspect are false, they do so at their own risk. They are advised in their own interests to obtain supplies from reliable traders who furnish satisfactory invoices. If the supplier claims that he is not required to charge tax because he is below the £500 registered limit, the retailer may deem it advisable to obtain a written statement to that effect, but this does not necessarily relieve him of his responsibility if he buys from persons unknown to him, or in suspicious circumstances. A trader offering, say, £100's worth of goods has only to carry out four similar transactions in the course of the year to be liable to registration. In any case of doubt the local officer of Customs and Excise should be taken into consultation.

LOCAL NEWS

Bournemouth v. Portsmouth. — In a cricket match at Eastleigh on June 29, one of a series being played for the Alderwyck trophy, Portsmouth chemists scored 73 and Bournemouth 99. Bournemouth's final match in the series will be played against Southampton at Bournemouth on July 9.

Dundee School's New Head.—Mr. H. A. Perkin, B.Pharm., Ph.C., has been appointed head of the school of pharmacy, Dundee Technical College, in succession to Dr. David McCall, who was recently appointed assistant resident secretary in Scotland of the Pharmaceutical Society (see *C. & D.*, March 22, p. 297)

Stoke-on-Trent Executive Council.—The Executive Council for Stoke-on-Trent, set up recently under the National Health Service Act, includes Alderman W. H. Kemp (nominated by the local health authority) and Messrs. J. A. Dale and H. C. Shaw (appointed by the Stoke-on-Trent Pharmaceutical Committee).

Liverpool Film Show. — Over 1,000 employees of Evans Medical Supplies, Ltd., and their friends, saw the company's film "Take thou — the Story of Pharmaceutical Manufacture" in Liverpool on June 21. The show was introduced by Mr. O. N. T. Davenport (a director). A further show was held in Runcorn on June 25, when Mr. I. V. L. Fergusson (chairman and managing director) addressed the employees of the Runcorn departments.

London Chemists' Golf.—A meeting of the London Chemists' Golfing Society was held at Hendon on June 19. In a competition for the captain's prize, the leading scorers were Messrs. R. Cobban, G. T. Morson and R. R. Gordon, each with 74; Mr. Cobban was declared winner on the result of the last nine holes. The 4711 prize was won by Mr. R. R. Gordon (2 down); Messrs. G. T. Morson, R. Cobban and C. H. Maile were each 3 down. Mr. W. H. Usher (77) won the D. & W. Gibbs prize.

Public Pharmacists' Officers.—At a meeting of the council of the Guild of Public Pharmacists, held in London on June 12, the officers were re-elected. The council learned with pleasure that Mr. Moore's health (see *C. & D.*, May 24, p. 603) had so far recovered that he was able to continue as general secretary. Messrs. E. W. Barstow and A. G. Shaw were appointed *Joint Deputy Secretaries* to deal with council and committee business, and with salary matters, respectively.

Talk to Bedfordshire Branch.—At a recent meeting of the Bedfordshire Branch of the Pharmaceutical Society, Mr. J. F. McNeal (a member of the Society's Council) gave a talk entitled "Recent Events in Pharmacy." He referred to the Society's Benevolent Fund and convalescent home, to the proposed alterations in the Society's constitution and educational policy, and to the admission of Polish pharmacists to the Register. After his talk, Mr. McNeal answered a number of questions, and the meeting concluded with a general discussion.

Birmingham and Manchester Golf.—The annual competition for the B.D.H. trophy was played between the Birmingham and Manchester Chemists' Golfing Societies on June 22 and was decided on the seven lowest medal cards returned by competing teams. Birmingham were the winners with 493 against Manchester's 496. A competition for the Li-Lo cup and replica was won by Mr. G. R. Demaine, Manchester, with 65. The cup was presented to the winner by Mr. A. E. Anthony (P. B. Cow & Co., Ltd.). The annual competition for the Ucal trophy and memento prize, played by the Manchester Chemists' Golfing Society on June 25, was won by Mr. H. Burlinson (72), with Mr. H. H. Heavers (73) second, Mr. A. Davies (United Chemists' Associated, Ltd.) congratulated the winner.

IRISH NEWS

Dublin Closing Hours. — A movement to establish a weekday closing hour of 7 p.m., already in operation in the Glasnevin area, has been initiated by chemists in the Inchicore district of Dublin.

Report Stage of [Eire] Health Bill.— The report stage of the [Eire] Health Bill, 1947, was passed in the Dail Eireann on June 27. An amendment moved by Mr. J. Dillon, to prevent any monopoly by one class of traders in the sale of proprietary medicines, was withdrawn at the request of the Minister of Health (see *C. & D.*, June 28, p. 747).

Football and Camogie in Carlow.— Teams from the [Eire] Chemists' Gaelic Football and Camogie Clubs were welcomed in Carlow on June 15 by Mr. Tom Kissane. The camogie team was beaten by a side from Carlow county, but the football team was successful against a Carlow team. Representatives of pharmacy in Carlow who were present at the games included Messrs. E. Nolan, A. Corless, E. Meaney, F. Nolan and B. Connolly. The visitors were later entertained to a tea and were guests at a dance organised by the Carlow chemists.

I.D.A's New Office. — At a special meeting of the Irish Drug Association held recently in Dublin, the following resolution was passed on the motion of Mr. M. Costello (president), seconded by Mr. T. C. Scott (treasurer): "The place of meeting for the business of the Irish Drug Association and the offices to which all communications and notices shall be addressed is 27 Merrion Square, Dublin." It was reported that the repercussions on the supply position of the wholesale trade strike had been constantly before the committee. Legal opinion had been obtained on various points which had arisen from the strike. The committee had decided, however, that the members' interests would best be served by a policy of acquiescence. The following new members were elected to the Association: Mr. R. N. Butler, Dunmanway, co. Cork; Mr. Henry Cashell, Cork; J. F. Gilna & Co., Ltd., Dublin; Mr. M. Hayes, Tulla, co. Clare; and Mr. M. T. McGourty, Dundalk.

LEGAL REPORTS

Invention Claim. — Kay Brothers, Ltd., manufacturing chemists, Stockport, appeared before the Royal Commission on Awards to Inventors on June 23, when the hearing was resumed of a claim by the company in respect of the "sticky bomb." Evidence in support of the claim was given by Mr. G. Thompson Wilson, M.P.S. (a director).

Thefts from Employers. — At Marylebone magistrate's court, recently, Frank Pugh Davies, M.P.S., Marylebone, was fined a total of £20, with the alternative of a month's imprisonment, on charges of stealing, between April and June, a rubber hot-water bottle, a tin of Allenburys diet, one dozen packets of saccharin tablets, twenty-two razor blades and other property belonging to his employers, Allen & Hanburys, Ltd., 7 Vere Street, Marylebone, and with stealing, on June 22, bottles of peanut and olive oil and other property belonging to the company. It was stated that Davies was stopped by a police officer when carrying a cardboard box which he said contained washing. It did, but it also contained the property mentioned in the second charge. This, he then said, he had signed for in the employees' book, but, in fact, had not. The property in the first charge was found in his room.

Minus One Ingredient.—A summons for selling compound syrup of hypophosphites with a false description was brought against Alan Gray Whittaker, Kingsthorpe Hollow, at Northampton magistrate's court on June 25. Defendant conducted his case in person. The proceedings were brought by the Pharmaceutical Society. Defendant, who was not a pharmacist, displayed in his shop window a bottle of the syrup which was noticed by an inspector. The label stated that it had been made up according to the B.P.C. formula, with an "s." meaning strychnine had been left out. Therefore the syrup as supplied by defendant was deficient in the most important ingredient, namely strychnine. Defendant, it was stated, did not buy the syrup ready made up in bottles, but purchased it in bulk and bottled it himself. Defendant, on oath, said the alleged offence was purely technical. He had been in business on his own account for twenty-three years without previous complaint. It was nonsense to assert that without strychnine the syrup was worthless. The magistrates imposed a fine of 40s., with £4 costs.

TOPICAL REFLECTIONS

Success in Business

In my first paragraph in last week's issue I endorsed your remark that "there is a promising future for the man in the shop." Your readers have not had to wait long for support for this belief. "From Leeches to Penicillin" (pp. 751-52) is the narrative of a pharmacist, Mr. Horace Wright, of Edgware, who after twenty-five years as proprietor of the same business is able to report a gratifying success with "quite a good time and many hobbies." Mr. Wright is of opinion that "there never was a time when . . . good personal service and help on the part of the private chemist was in greater demand." How has this record been established? What was the plan of action? An indication will be found in the second paragraph of the article. "From the time of my demobilisation, after the 1914-18 war, I was aware that the young chemist was intent on 'big business' of the stores type, and had thrown aside anything his father and teacher stood for. I maintained that this was a wrong policy. . . ." Chemists about to commence business on their own account will be wise to note this declaration. Pharmacy is not a synonym for "big business." Addressing students at the opening of the Pharmaceutical Society's school session about seventy years ago, Dr. Charles Symes, of Liverpool, told them that they should not expect to make large fortunes, but that their vocation was worth following for its own sake; Dr. W. H. Martindale made a similar observation.

Education for Pharmacy

Mr. Wright's narrative is linked in my mind with a brilliant article by Mr. H. Stannard in the latest issue of "Oxford" (IX.2.71) which I had been reading a few hours earlier. The primary subject of the article having but slight connection with pharmacy, I need not refer to it; but some of the author's observations on scientific education are so applicable to courses in pharmaceutical subjects that I take leave to transcribe a few sentences for the consideration of educationists and others interested. "Every teacher is moved to complain that the world is too much with his pupils; but both he and they would be in harder case if the world were not with them at all.... There is some tendency in the academic as well as in the public mind to measure the tutorial competence of a school or college by the range and modernity of its installations and, as a consequence, to confuse education with a certain facility in the twiddling of intellectual knobs. It is in the sciences that this tendency is most apparent and has the greatest justification because modern science reaches out beyond the evidence of the senses and needs its machine to achieve a conquest of the mind not only over matter but over the machine itself. The true scientist who is the master of his subject is master of his machine and devises it to be an automatic agency of laborious calculations, presenting results for the mind to interpret. But whether the average product of a scientific training will not become, in the application of his knowledge, the servant of his machine, offering up its results as truth untinged by any human liability to error, is a question to which science is not at present able to give a wholly reassuring answer."

N. (W.) F. Changes

Many, perhaps most, dispensers will have welcomed the opportunity of studying coming changes in the National (War) Formulary (pp. 744-46). The first edition of this manual was compiled in 1941, when the committee of compilers took as the main basis the 1933 National Formulary for National Health Insurance Purposes. Eight pharmacists served on that committee, and there was general agreement that it did its work well. The task of adapting popular formulas to wartime exigencies was not a light one. On February 1, 1944 the second edition came into force. The changes made in it were probably not more numerous than had been expected; some, however, such as the deletion of solution of burnt sugar, were of questionable expediency. My only criticism at the moment regarding the third edition is that a few of the alterations strike me as rather fussy. Why, for instance, should solution of calcium hydroxide be weighed in preparing the new Cremor Zinci? Or why should Mistura Camphora Composita have "Opii" thrust into its title? On the other hand the preparation of Linimentum Album is undoubtedly facilitated by using an oleic acid-alkali combination in place of soft soap. The large increase in the proportion of calamine in the lotion named after it is at first sight startling; but in "Pharmaceutical Formulas," Vol. I, you have a hospital formula containing a drachm of calamine and one of zinc oxide in each fluid ounce.

Xrayser

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE PRIME MINISTER announced on June 23 that large reductions in the civil service could not be expected at the present time, although the Government realised the importance of limiting to a minimum the demands which civil administration made on the man-power of the country.

On January 1, he said, there were 722,000 non-industrial civil servants.

Payment for a U.S. Proprietary

MR. E. CARSON asked the Chancellor of the Exchequer on June 23 whether he was aware that Alka-Seltzer brand effervescent analgesic alkalising tablets were being imported from the United States; why it was considered necessary to import the preparation; and what was the country's dollar expenditure upon it. MR. H. DALTON said that imports of the product, which was now being manufactured in a development area in Britain, had not cost dollars, and had been made to test the market.

Workers in Export Industries

MR. A. T. LENNOX-BOYD asked the President of the Board of Trade the number of persons engaged in manufacture for export in March 1939 and March 1947 respectively and the quantity of goods exported in the same period.

MR. J. W. BELCHER replied: The estimated number of insured persons employed in manufacture for export in March 1947 was 1,444,000. No information about numbers employed on export work was collected before the war, so no accurate comparison is possible. The published figure of 930,000 for June 1939 is only very roughly comparable, as it was estimated by quite a different method. Figures for the total quantity of goods exported are not available, as some items are recorded by value only and I can only give estimates. The volume of exports of U.K. goods, which is calculated by revaluing all exports at average values of the year 1938, is estimated at 101 per cent. of that year in the first quarter of this year, against 104 per cent. in the first quarter of 1939.

MR. R. R. STOKES asked the Secretary for the Colonies on June 25 whether he was aware that, according to investigations made in 1923 into the mineral resources of the Dead Sea by the geological adviser to the Government of Palestine, the amount of magnesium chloride available was estimated at 22,000 million metric tons which, together with other salts, at the then rul ing prices, amounted to a value o £240,000 millions, and why these resource had not been developed?

MR. CREECH JONES replied that he wa making inquiries of the High Commissione for Palestine and would communicate witl Mr. Stokes.

MR. J. MORRISON asked the President o the Board of Trade to give a list of rav materials the supplies of which were bein allocated by certificates through trad associations or imported and distribute for approved uses by an importers' associ ation acting as Government agents. Th list supplied by SIR STAFFORD CRIPPS i reply included casein, resin and liqui resin, turpentine, pine oil, caustic potash carbonate of potash, rotenone-containin materials, lead for capsules and collapsibl tubes, etc.

Disinfectants in Lemonade Bottles

MR. S. MARSHALL asked the Home Secretary whether his attention had bee drawn to the fact that disinfectant was being sold by stallholders and other retailer in bottles generally used by makers of sof drinks, and what steps he proposed to take to stop that dangerous practice.

MR. CHUTER EDE: I have no evidence that disinfectants which are listed as poisons are being improperly sold. The question whether the sale of bleaching solutions and other substances which may be harmful to the public should be allowed, except in a special type of bottle, is being considered by the Poisons Board.

Purchase of Hospital Supplies

MR. HAYDN DAVIES asked the Minister of Health "to what extent it is proposed to obtain equipment and supplies for hospitals under the National Health Service by centralised purchase in place of the present system of purchase by individual hospitals; and whether a similar policy will be applied to installation and maintenance services." MR. ANEURIN BEVAN replied that hospital equipment and supplies covered a wide range. For some items there might be advantage in central purchase, but where present methods of supply and servicing were working satisfactorily it was not proposed. at the outset of the new service, to interfere with them. For the time being central purchase would be limited to major equipment in short supply.

BIRTH

FREEMANTLE. — At Wayside Nursing Home, Maidenhead, on June 27, Greta, the wife of Vivian H. Freemantle, M.P.S., 14 Spittal Street, Marlow, Bucks, of a son.

MARRIAGE

PARISH-BOOT.—In London on June 26, Major Michael Woodbine Parish to the Hon. Elizabeth Campbell Boot, daughter of Lord Trent (chairman of Boots Pure Drug Co., Ltd.).

DEATHS

CONDUIT.—At his residence, 73 Muswell Hill Road, London, N.10, on June 27. Mr. Frank A. Conduit, founder of the firm of perfumerysundriesmen that bears his name, aged eighty-six. Mr. Conduit, who was well known to a wide section of the trade, founded the business at Old Street in the city of London, and worked in it until the end. He survived by only five weeks the loss of his wife. He is himself survived by two sons, Frank Eric and Kenneth George, who will continue the business, and by a daughter.

CROFT.—At his home, Signavis, Blackwall, Darlington, on June 12, Mr. Duterau Croft, aged eighty. Mr. Croft, who qualified as a chemist and druggist in 1892, served his apprenticeship at Leyburn, but removed to Lincolnshire to take up an appointment in a pharmacy at Crowle, where he worked for some years as assistant before taking over the business himself. A few years later he transferred the pharmacy to Scunthorpe, where it remained under his proprietorship until his retirement at the age of sixty. For five years he continued to live at Scunthorpe, but removed to Darlington upon the death of his wife. Mr. Croft was for fifty years a Methodist local preacher. He had some skill also as a painter in oils.

MISSTEAR.—At his residence, 84 Kenilworth Square, Dublin, on June 20, Mr. Henry Samuel Misstear, M.P.S.I., 68 Upper Clanbrassil Street, Dublin. Mr. Misstear was registered in 1892.

PRITCHARD.—On June 14, following a heart attack, Mr. J. J. Pritchard, a director of C. W. Field, Ltd. (essential oils and flavouring essences), Edwins Lane, Speke, Liverpool, 19. Mr. Pritchard has represented the company for the past twenty-two years in the territory of Lancashire, Cheshire and the Midlands.

SMITH.—At 2 Orchard Park, Crail, Fife, on June 22, Mr. James Smith, formerly of 18 High Street, Crail. Mr. Smith qualified as a chemist and druggist in 1901.

TURTON.—Recently, as a result of an accident, Mr. Edwin Evelyn Harrison Turton, M.P.S., 27 Derby Grove, Nottingham. Mr. Turton qualified in 1892.

WALL.—On June 19, Dr. Cecil Wall, consulting physician to the London and Brompton Hospitals and archivist to the Society of Apothecaries, aged seventy-seven. Upon being elected to the honorary staff of the Brompton Hospital, Dr. Wall rapidly established himself as a consultant teacher, and became a member of the Board of the Faculty of Medicine and of the Board of Advanced Medical Studies of London University. He was also a member of the Board of the Oxford Medical Faculty, dean of the Brompton Hospital medical school and an examiner in medicine to the Universities of Oxford and London and the Royal College of Physicians. He became official archivist of the Society of Apothecaries after a term of office as Master, an office in which his father had served before him. In 1932 Dr. Wall published an illustrated account of "The London Apothecaries: Their Society and Their Hall."

WELTON.—Recently, Mr. H. E. Welton, for over twenty years representative in Scotland and Northern England of Solport Bros., Ltd., druggists' sundriesmen, London, E.C.1. Mr. Welton had many friends in the wholesale sundries trade and in pharmacy departments in the North.

WILLS

MR. WILLIAM GEORGE GORDON, 8 The Byeways, Surbiton, Surrey, formerly a sponge merchant, left £1,891, with net personalty £1,095.

MR. GEORGE HENRY FRANCE, 100 Birch Lane, Longsight, Manchester, wholesale druggist, left £4,724, with net personalty £4,194.

MR. EDWARD GANE INGE, M.P.S., 95 Arundel Avenue, Sanderstead, Surrey, a director of Freke & Co. (Chemists), Ltd., Brixton, London, S.W.9, left £1,073, with net personalty £1,028.

MR. EDGAR VINCENT EMERSON, 2 Chase Court Gardens, Enfield, Middlesex, works manager of the United Kingdom Optical Co., Ltd., Mill Hill, London, left £6,185, with net personalty £4,890.

MR. ARTHUR FRANK PRICE, M.P.S., Knott Park, Oxshott, Surrey, and 62 High Street, Esher, and formerly of 13 Compton Road, Addiscombe, Surrey, and Abertillery, South Wales, left £1,855, with net personalty £880.

TRADE NOTES

Lipstick Solvent.—Croda, Ltd., Snaith, Goole, Yorks, offer Eosol (tetrahydrofurfuryl acetate) as a solvent in the manufacture of lipsticks.

Again in Full Supply.—E. T. Pearson & Co., Ltd. (sole selling agents for Lactagol, Ltd.), London Road, Mitcham, Surrey, announce that supplies of Lactagol are again available from wholesalers.

Prices and Profits.—A table giving the retail and wholesale prices, purchase tax, and profit on each of a range of nine specialities issued by R. Demuth, Ltd., London, N.W.6, is given on another page in this issue.

New Price. — Stafford Miller, Ltd., Welwyn Garden City, Herts, give details elsewhere in this issue of new trade and retail prices for Orlex grey-hair-restoring compound. The sole distributors are Splendor, Ltd., Nottingham.

Holiday Closing.—Antiseptic Products, Ltd., 105 Tonbridge Road, Maidstone, state that their works will be closed for the staff's annual holiday on August 1, and will reopen on August 11. No deliveries will be made during the period mentioned.

Intended Change of Name.—The Rodmill Chemical Co., Ltd., 2 Islington Road, Liverpool, 3, are shortly changing the name of their rodenticide Antu to Rod-antu. The change takes effect during the next few weeks, and is being incorporated in the company's announcements commencing in July.

In Good Supply.—Esmorea Chemical Products, Ltd., 106 Regent Street, London, W.1, state that good supplies are at present available of Request lather shaving cream and Request shaving stick. Application for supplies may be made either direct or through wholesalers.

Range of Blades. — George H. Lawrence, Ltd., Sheffield, 3, are now producing a complete range of safety-razor blades, including their pre-war hollow-ground blade, in attractive packings. Wholesalers are invited to apply for an illustrated price list and samples.

Price List.—The new price list, dated June 1947, of The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, contains new prices for a number of the company's medical products, while the section concerned with drugs and chemicals includes a range of packings for each item. Copies are available on request.

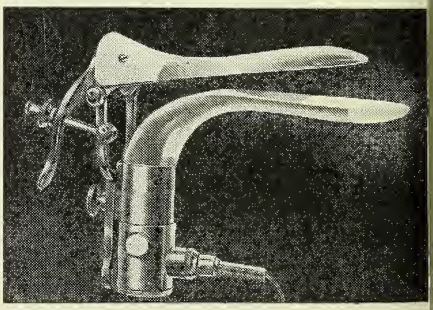
Works Pageants.—A team of specialist in the organisation of pageants and advertising entertainments has been brought together by Pageantry, Ltd., Faraday House, Charing Cross Road, London W.C.2, who offer their services to industrialists intending to stage historical or other pageants or "stunts."

Make-up Base. — An extension to the range of Swandown products issued by Henry Tetlow Co., Ltd., Beresford Avenue, Wembley, Middlesex, has been made by the introduction of Swandown beauty film make-up base, which is issued in five shades. Supplies may be obtained through wholesalers or direct.

New Beauty Series. — North Western Laboratories, Ltd., Townley Lodge, Hanson Street, Middleton, Lancs, are the manufacturers of a newly introduced Gay Venture series of beauty preparations which includes foundation and cleansing creams, make-up base, face powders, lipsticks, etc. The sole selling agents are Gay Venture Beauty Preparations, Ltd., 78 King Street, Manchester.

Factory Engineering. — Engineering services for industry offered by Richard Crittall & Co., Ltd., 156 Great Portland Street, London, W.1, include the heating and ventilation of office and factory buildings; humidity control; dust, fume and vapour exhaust systems; air filtration water filtration and the like. Handsomely illustrated brochures are available to manufacturers on request.

Surgical Instrument in Plastics. — Claimed to be the only illuminated instruments in which the light is conducted by the



material of the instruments themselves to the field of operation or observation, the Coldlite series of diagnostic and surgical

instruments is issued by Vann Bros., Ltd., 63 Weymouth Street, London, W.1. The example illustrated is a bi-valve vaginal speculum (Brewer's pattern). It is made in three sizes.

Show Material.—A new showcard in blue and sepia has been prepared under the title "Peace of Mind" by Tampax, Ltd., Sales Department, 100 Jermyn Street, London, S. W. 1, for their speciality Tampax sanitary protection. The size of the showcard is 11 by 7½ in.

Design Centres.—A booklet describing the functions of a "Design Centre" has been issued by the Council of Industrial Design, Tilbury House, Petty France, London, S.W.1. Centres have already been set up in the jewellery and rayon industries, and discussions between the Council and certain other industries are understood to be well advanced. The booklet, comprising sixteen small quarto pages, is well illustrated and deals with training, library and information services, exhibitions, consumer research, propaganda, finances and other matters about which information is essential for the setting-up of a Design Centre. Copies of the booklet may be obtained from the offices of the Council.

Aerated Water Mixer.—A new apparatus, to which the name Imp-Aerator Mixer has been given, has been issued by Imp-Aerator, Ltd., 123 Pall Mall, London, S.W.1, for the preparation of aerated drinks at a fraction of the usual cost. The mixer is filled with water to a given level, a patent stopper inserted, and a gas cylinder screwed on. The gas cylinder is slowly rotated, and the gas allowed to escape into the liquid until it becomes saturated, when gas begins to escape through a relief valve. A hissing sound indicates that this point has been reached, and the cylinder is then turned in the opposite direction, cutting off the supply of gas. The cylinder gives approximately twenty aerations, and empty cylinders are exchangeable for full ones through distributing agents. Prices of the apparatus and terms for the supply of cylinders may be obtained from the makers.

Penicillin Price Reductions. — Considerably reduced prices for coloured penicillin sodium salt and penicillin oil-wax suspensions are announced by Allen & Hanburys, Ltd., Boots Pure Drug Co., Ltd., Burroughs Wellcome & Co., The British Drug Houses, Ltd., Imperial Chemical (Pharmaceuticals), Ltd., and May & Baker, Ltd. All prices are subject to the usual discounts. The prices of calcium salt are also reduced, but the prices of white penicillin are unchanged. The new prices take effect on July 7 and details may be had from the manufacturers. Credit is being allowed on opening stocks held on July 7, 1947; claims by retailers should be made direct to their suppliers not later than July 21.—Glaxo Laboratories, Ltd., Greenford, state that penicillin - Glaxo freeze-dried sodium salt and certain penicillin-Glaxo preparations are being reduced in price on July 7. A circular letter is being sent to all pharmacists giving details of the reduction. It has been timed to reach recipients on July 5.

Exhibition of "Deep" Pictures.—An exhibition of photographs produced by a new process designed to give, without the use of special viewing apparatus, an illusion of three-dimensional depth to flat prints, was opened at the Exhibition Centre, London, W.1, on June 30. In one version of the process, which was invented by a French scientist (M. Maurice Bonnet), the picture is taken by a camera which moves during exposure through an arc of 16 degrees. The finished print consists essentially of a large number of superimposed views of the subject, taken from slightly different angles. In front of the print is then placed a sheet of glass with a coating of transparent plastic, moulded to form a lenticular grid having about 100 parallel ridges to the inch. The grid "sorts out" the different views of the subject and the illusion of depth results from the slightly different views seen by the two eyes of the observer. Rights of the process in Great Britain are owned by Deep Pictures, Ltd., 150 New Bond Street, London, W.1. The exhibition remains open until July 5.

Proprietary Articles Trade Association

Additions to Protected List.—*R. Demuth, Ltd.*, Skreen insect repellent, 4-oz., 21s. 4d. doz., tax 3s. 7d. doz., inclusive retail price 3s.

Alterations.—*The British Drug Houses, Ltd.*, Increased prices July 1: Radiostoleum liquid, 25 c.c., 4s. 6d., 38s. doz.; capsules, tins of fifty, 4s. 6d., 36s. doz. (exempt from tax).

COMPANY NEWS

MARTIN BRENT, LTD. (P.C.).—Capital £5,000. To carry on business of wholesale chemists and druggists, etc. The first directors are not named. Secretary: J. B. Sweeney, 27 Martin Lane, London, E.C.4.

LABORATORY THERMAL EQUIPMENT, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers of and dealers in scientific and surgical instruments and supplies, etc. R.O.: Greenfield, nr. Oldham.

PESTCURE, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturing chemists, druggists, exterminators of pests in wood and other substances, etc. First directors are not named. R.O.: Dacre House, Victoria Street, London, S.W.1.

SANDOZ PRODUCTS (IRELAND), LTD. (P.C.).—Registered in Dublin. Capital £10,000. To carry on the business of manufacturers of and dealers in colours, dyestuffs and chemical products, etc. The first directors are not named.

J. H. SHIMWELL, LTD. (P.C.).—Capital £5,000. To carry on the business of wholesale, retail, and manufacturing chemists and druggists, and chemical engineers, etc. Hugh S. Shimwell, M.P.S., Lizzie Shimwell, and Claude C. Barker directors. R.O.: 153 The Parade, Watford.

E. M. & M. T. CHATER, LTD. (P.C.).—Capital £5,000. To carry on the business of wholesale, retail and manufacturing chemists, druggists, etc. Donald W. E. Barker, M.P.S., and George L. Harbin, directors. R.O.: 129 High Street, Watford, Herts.

SPLENDOR (IRELAND), LTD. (P.C.).—Registered in Dublin. Capital £10,000. To carry on the business of manufacturers of and dealers in all kinds of sanitary, surgical, dental, optical, chemical and scientific instruments, etc. The first directors are not named.

ALLEN & HANBURYS, LTD.—Mr. William John Rennie, A.C.A. (secretary), has been appointed a director.

BOOTS PURE DRUG CO., LTD.—Net profit for the financial year ended March 31, 1947, amounted to £756,470, compared with £619,459 in the previous twelve months. Interim dividends totalling 20 per cent., less tax, have been paid on the ordinary shares and a final dividend of 20 per cent., less tax, is recommended, making a total dividend of 40 per cent., less tax, for the year, compared with 35 per cent., less tax, for the previous year. The retiring directors, Mr. B. A. Bull, A.R.I.C., Ph.C., and the Rt. Hon. Richard Law, P.C., M.P., offer themselves for re-election. At the annual ordinary general meeting of shareholders to be held at Beeston, Notts, at noon on July 10, the following resolution will be submitted: "That the capital of the company be increased to £4,000,000 by the creation of 4,000,000 additional ordinary shares of 5s each ranking *pari passu* in all respects with the existing ordinary shares of the company.

THE BRITISH DRUG HOUSES, LTD.—The consolidated profit for the year ended December 31, 1946, of the company and its subsidiaries, after providing for taxation, deferred repairs, amortisation and depreciation and directors' fees, amounted to £91,637, as against £47,828 in 1945. The greater part of the profits of the subsidiary companies will be used in developing these companies. Including the balance brought forward from 1945 of £2,281 (adjusted to provide £17,500 for unrealised profits carried in the stocks of subsidiary companies at the commencement of the year), the amount available for distribution is £73,162. Of this sum, there has been distributed a dividend, less tax, on the 5 per cent. cumulative preference shares, £11,812; appropriated to general reserve, £30,000, and a dividend of 8 per cent. on the ordinary shares, £26,000 is recommended, leaving a balance carried forward of £4,950. Last year the company raised additional capital by the issue of £175,000 5 per cent. cumulative preference shares and £200,000 ordinary shares to existing shareholders. This was an interim measure to help to finance the vastly increased scale of business since the date of the previous capital issue in 1937. The directors now propose that the authorised capital of the company shall be further increased by the addition of £225,000 5 per cent. cumulative preference shares and £700,000 ordinary shares and resolutions to that effect will be submitted to meetings of the shareholders, which will be held immediately after the annual general meeting. While the directors have, as yet, no definite proposals for increasing the issued capital, they anticipate that this will, to some extent, prove necessary in the course of the next twelve months. Their object in increasing the authorised capital at this stage is to provide a substantial reserve of authorised capital against the need for future financing. At the same time, in order to reduce the work necessary in connexion with registration, they are proposing that the issued shares shall be converted into stock units. The stock unit for the 5 per cent. cumulative preference shares and the ordinary shares will be £1 and 5s., respectively. To facilitate this arrangement it is proposed to convert the existing ordinary £1 shares into ordinary 5s. shares on the basis of four for one. Resolutions to achieve this and also to amend the Articles of Association to secure that the ratio of voting rights of the preference and ordinary shareholders are not affected by the change will be submitted to the meetings of the shareholders. The annual general meeting will be held at Winchester House, Old Broad Street, London, E.C.2, on Friday, July 11, at 11.30 a.m.

PERSONALITIES

Mr. D. L. Kirkpatrick, M.P.S.N.I., (formerly secretary of the Pharmaceutical Society of Northern Ireland) is making good progress after a recent operation.

Mr. R. I. McRobbie, M.P.S., 1 Drummond Place, Bridge of Allan, Stirlingshire, has passed the final examination of the National Association of Opticians.

Councillor T. Scott Sutherland (chairman and managing director of Moore Medicinal Products, Ltd.) has been appointed chairman of the Fettercairn Distillery, Ltd., Kincardineshire, Scotland. Mr. Sutherland, who is still in his forties, is chairman or director of fourteen Scottish companies.

Professor E. N. da C. Andrade, F.R.S., has been awarded the Holweek prize for 1947. The prize, which is for work in physical research, is to be awarded yearly and alternately to a French and British physicist, and Professor Andrade is the first British holder.

Mr. K. E. White, M.P.S., Ripley, Surrey, was the writer of a letter published in the "Sunday Express," June 29, criticising bureaucratic obstacles to obtaining pharmaceutical supplies.

Mr. S. B. Millward (district sales manager for The British Drug Houses (Canada) Ltd.) was elected president of the Quebec Drug Salesmen's Association at the Association's annual meeting held in Montreal recently.

CONTROL OF TOILET PREPARATIONS

Owing to the continuing scarcity of tin and glass containers, paper and board, and certain other raw materials, the Board of Trade has decided to maintain control on the manufacture and supply of toilet preparations at least until December 1947, when the position will again be reviewed. The current rate of licensing will continue and the export bonus scheme (see *C. & D.*, January 4, p. 12) will be retained in its present form. The Board states that many registered manufacturers will have been unable to supply before June 30 the full amount of their bonuses on exports authorised during the period January 1—June 30, 1947. The manufacturing licences being issued to them on July 1 to cover the ensuing six months will therefore allow the unused bonus trade to be taken up at any time during the succeeding six months ending December 31, without separate application. The arrangements for carrying forward bonuses apply only to bonuses which have already been approved by the issue of an additional bonus licence, or to "automatic" bonus already earned under the terms of each manufacturer's normal licence during the period January 1-June 30, 1947. A circular letter explaining the arrangements is being sent to all registered manufacturers by the Board of Trade.

BUSINESS CHANGES

Boots, Ltd., have transferred their London Road, Grantham, branch to new premises at 9 London Road.

Picot, Ltd., perfumery manufacturers, 191 Hammersmith Road, London, W.6, have an additional telephone number: Riverside 7777.

Grantham Equitable Co-operative Industrial Society, Ltd., have appointed Mr. C. A. Pickford, M.P.S., superintendent chemist.

Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7, have apointed Miss M. V. Johnston, Ph.C., to their staff as assistant laboratory chemist.

Croda, Ltd., Goole, Yorks, have transferred their London office to 24 Haymarket, London, S.W.1 (Telephone: Whitehall 4725/26).

Dr. F. Wartenberg has taken up a managerial post with Wallace (Pharmaceutical Products), Ltd., 198 Finchley Road, London, N.W.3.

The Irish Drug Association's office, 27 Merrion Square, Dublin (Telephone: Dublin 62240) is open as follows: Mondays to Fridays, 9.30 a.m. to 1 p.m. and 2.15 p.m. to 5 p.m.; Saturdays, 9.30 a.m. to 12.30 p.m.

H. S. Bottle Co., Ltd., have transferred their office to 33 Haymarket, London, S.W.1. The telephone number (Whitehall 4806) is unchanged. The company's warehouse remains at 15a Whitcomb Street, Pall Mall East, London, W.C.2.

Moore Medicinal Products, Ltd., Aberdeen, have acquired and are reconstructing new factory premises in Berryden Road, Aberdeen. The company have also acquired premises in Gloucester Place, London, W.1, for the establishment of a London office and warehouse.

BOOK EXHIBITION AT OXFORD

In connection with a conference of surgeons and an international congress of physiologists, an exhibition of books and manuscripts on medicine, surgery and physiology has been opened at the Bodleian Library, Oxford. The exhibition remains open for several weeks from 2 p.m. to 5 p.m. daily (except Saturdays and Sundays); admission is free. The importance of the University of Oxford in medicine has been emphasised in our columns on several occasions; and we notice that one of the exhibits now on view is a manuscript drawing of a dissection (*circa* 1290) reproduced in the *C. & D.*, 1928.I.830.

An exhibit comparable in interest with this could be arranged by only a very few British libraries. Hippocrates, Galen and Avicenna are among the authors represented by manuscripts; and the history of medicine in Oxford ranges from the Chancellor's Register of 1325-50 to the well-known benefaction of Viscount Nuffield. From the attractive foreword to the catalogue we learn that in 1586, Walter Bailey, then Regius Professor of Medicine, issued "A briefe treatise touching the preservation of the eie-sight," relying chiefly, it seems, on the herb eyebright for his method of treatment. A comment by Thomas Fuller on Robert Fludd, M.D., a seventeenth-century Oxonian, compels quotation. After a reference to Fludd's "dark language," Fuller adds: "The same phrases he used to his patients, and seeing conceit is very contributive to the well working of Physick, their fancy or faith natural was much advanced by his elevated expressions." Evidently it was a case o what has been called a good bedsid manner.

In surgery the names of Vesalius, Par and Lister, link the Renaissance with th present century. Scientific authors whos works are shown by selections includ George Baker ("the newe jewell o health," 1576), Robert Boyle (on atmos pheric pressure, 1660), Robert Hook ("Micrographia," 1665), John Mayo ("Tractatus quinque," 1674), Stephe Hales, Joseph Priestley ("Observations o different kinds of air," 1772), A. L Lavoisier, and Sir Humphry Davy (o nitrous oxide, 1800). The controvers between London physicians and apothe caries which culminated in the Rose case o 1703-04, is recalled by contributions mad to it by Drs. Merrett and Goddard, both o whom had associations with Oxford. An by way of comic pendant to so much learn ing there are a few specimens of quac advertisements. Even in this subject th exhibition has something of outstandin interest: "Alexander, aut Pseudomantis," published in Paris in 1530, gives an accoun of a man who flourished in A.D. 160 b running a bogus information agency an selling a proprietary ointment calle Cytmis. A Greek writer who knew hi declared that Cytmis was merely goat's fat Alexander attended fairs, attracting crowd by a conjuring trick of the thimblerigging type: he is reported to have made a larg fortune from his knavery. It may be hope that the Greeks had a word for this type o practice.

GLYN-JONES MEMORIAL FUND

The report of the Glyn-Jones Memorial Fund for 1946-47 states that during the year the trustees again received a grant of £1,000 from the estate of the late Viscount Leverhulme to be used from 1947 at the rate of £200 a year. At their meeting in June 1946, the trustees had applications for grants totalling over £1,300, but at their disposal only £400, of which £200 was the last instalment of the previous grant from the Leverhulme estate. Applications from twelve students for grants amounting to £1,300 had been considered in 1946. The Trustees had at their disposal only £450, of which £50 was a contribution recently received. Permission was obtained from the Leverhulme trustees to borrow £100 from the 1947 grant, making a total of £550 available for distribution in 1946. Grants were made to one student for the Intermediate course, to five students for the Chemist and Druggist course, and to one student for the second year course for the Pharmaceutical Chemist Qualifying examination. One student who had applied for a grant for the Chemist and Druggist course was advised to apply again when he had passed the Intermediate examination, and a grant to one student for the Chemist and Druggist course was made conditional upon her passing the Intermediate examination. One student to whom a grant for the Chemist and Druggist course had been made had been unable to avail himself of the grant. It was reported that two

students to whom grants had been made in previous years had passed the Chemist and Druggist Qualifying examination.

It was reported that an encouraging response had been received to an appeal sent to the Pharmaceutical Society, the National Pharmaceutical Union, the Proprietary Articles Trade Association and the Wholesale Drug Trade Association. The Chemists' Defence Union and Pharmaceutical Society had made contributions of £100 each and had indicated that they would be prepared to consider favourably a similar appeal made in a year's time. The Wholesale Drug Trade Association Council had circulated an appeal to member firms who had contributed £205. The Proprietary Articles Trade Association had made a contribution of £200 from the Association's funds, and an appeal to the manufacturing and wholesale sections of the Association had brought in £1,889, £1,000 of which had been subscribed by one group of firms. The trustees expressed their gratitude to the Council and secretary of the Proprietary Articles Trade Association. Early in 1947 appeals to branches of the Pharmaceutical Society had brought in £87, and other branches had indicated that they were arranging schemes to raise money for the fund. Letters sent to the pharmaceutical press had resulted in contributions totalling £83, many from members, who as students, had received grants from the fund. £2,463 had been raised from all sources up to the present time, and further contributions were expected. The report concludes: "The Trustees are deeply grateful to all those individuals and firms who have contributed so generously during the past year, and would like the contributors to know how much their generosity has lightened the task of ensuring that no deserving student need be prevented from qualifying as a pharmacist because of lack of money."

MEDICAL ABSTRACTS

Penicillin for Scarlet Fever.—Treatment of 116 cases of scarlet fever with penicillin, sixty-nine with convalescent scarlet fever serum and forty-eight with sulphonamide compounds by Hogue and Brown, Chicago ("Journal of the American Medical Association," March 8, p. 661) showed that penicillin was equally as good a therapeutic agent for the disease as the convalescent serum, was superior to the sulphonamides, and that few complications followed its use. Not many cases of severe scarlet fever, however, were examined. Hirsh and others (*ibid.* p. 657) recommend that all patients with scarlet fever should be given penicillin intramuscularly, 25,000 units three-hourly of commercial penicillin II (G), or 50,000 units six-hourly of penicillin III(X); or, 125,000 units orally of penicillin II(G) three-hourly. Severely toxic patients should receive antitoxin.

Potassium Thiocyanate in Hypertension.—The effect of potassium thiocyanate in cases of hypertension has been investigated by Mills ("Lancet," March 15, p. 324), who concludes that the drug has a definite place in treatment, but should be limited to cases in which hypertensive headache is a predominating symptom and does not respond to simpler forms of therapy. The drug does not affect the course of the disease, but gives great relief. In twenty-five cases treated, dosage was adjusted to keep the blood thiocyanate level at 5-8 mgm. per 100 c.c., the usual procedure being to give 0.2 gm. in chloroform water thrice daily for three days, continued once daily for the remainder of the week, at the end of which the blood-thiocyanate level was estimated and the dose raised or lowered as necessary.

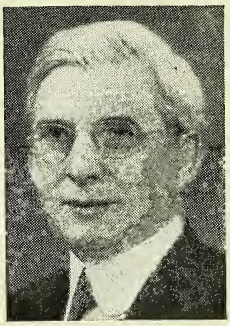
A New Methyl Salicylate Liniment.—Kendall and Dekay ("Journal of the American Pharmaceutical Association," February, p. 65), have devised a new formula for an emulsion of methyl salicylate (12 per cent.) to be used as a liniment. The emulsion is mobile; creams only slightly after standing for 300 days (and easily reforms on shaking); leaves no powdery substance on the skin; is not sticky when applied; and is inexpensive and easy to make. The formula is:—

Methyl salicylate	...	120 mils
Stearyl alcohol ...	...	5 gm.
Cetyl alcohol ...	...	5 gm.
Glyceryl monostearate	...	10 gm.
Distilled water	to	1000 mils

The glyceryl monostearate is dissolved in 200 mils of the water, with the aid of heat, and the solution cooled until smooth and uniform. The alcohols are dissolved in the methyl salicylate, with the aid of heat, and the solution added gradually to the glyceryl monostearate solution, stirring mechanically. Water is added to 1000 mils, while stirring care should be taken not to occlude air. The preparation should be applied hot.

THE LATE MR. L. MORETON PARRY

THE death occurred at Rhyl Memorial Hospital, Rhyl, North Wales, on June 24, of Mr. Lewis Moreton Parry, M.P.S., at the age of seventy-five.



Mr. Parry was the oldest member of the Liverpool Chemists' Association of which he was a past - secretary and past-president. He had given thirty-three years' unbroken service on the Council of the Pharmaceutical Society, also serving a term during 1929-30 as president. He was an honorary member of the Pharmaceutical Society of Ireland. Born in Anglesey, Mr. Parry qualified in 1894. He was at the time assistant to Dr. Symes, Hardman Street, Liverpool, who had himself served seventeen years on the Society's Council. Mr. Parry had later experience with Glaisyer & Kemp, Brighton, and held several managerial posts in London before opening up on his own account in Liverpool in 1902. His wife, also a pharmacist, assisted him in the business for a time. Mr. Parry was founder and secretary of the National Association of Opticians, and in recognition of his twenty-five year's service in that capacity, the Association recently opened a presentation subscription list which was still open at the time of his death. From its inception, he was secretary of the Liverpool Pharmaceutical Committee and took an active part locally in the reorganisation of work necessary to operate the new health Act. Mr. Parry was first elected to the Council in 1913, and served at various times on every standing committee. In due course he became "father of the house," but was also to know the bitterness of defeat, for in the election of the current year his name was not among the first seven. A serious operation in 1939 was followed apparently by complete recovery, but later his medical advisers instructed him to go slow, and in the last weeks of his life he was confined to bed. He is survived by his widow and a daughter.

Mr. J. C. Young, Ph.C., writes: "Lewis Moreton Parry used to say that he was intended for the ministry. Had l continued in that idea, he would, with h Welsh fire, vivid imagination and faci tongue, have made a name for himself a preacher. How or why, sixty years ag at the age of fifteen, he became appre ticed instead to a chemist in the middle the island of Anglesea, is not known. H completed his apprenticeship, however, ar qualified at twenty-two. His next fe years as assistant or manager were spent enlarging his experience in London ar Paris, but from the time he settled down Liverpool in a business of his own, th city of Liverpool and the pharmacis thereof mattered more to him than ar other place or people in the British Isle The National Insurance Act of 1911 ga him his great opportunity; he familiarise himself with every detail of it and becam the first secretary of the Liverpool Pharma ceutical Committee, and when he retire from retail pharmacy it was to develop th practice of optics for chemists. He had retentive memory and knew everybod worth knowing in pharmacy, optics, an related Government departments. H wife, who qualified as a pharmacist to be greater help to him, and his invali daughter, who acted as his secretary, wer his constant care; they and his triple pu suit of pharmacy, optics, and the Pharma ceutical Society's Council filled his lif rendered more difficult in his latter yea by increasing ill-health. The betterment pharmacy was one of his chief concerns.

FIFTY YEARS AGO

Suppuration as Treatment

[*From the C. & D., July* 3, 1897]

Mr. Rawlins, described as an unregistere medical practitioner, of Stockport, was th principal witness at an inquest held a Shevington, Wigan, relative to the death o John Fairhurst. . . . Dr. Passmore, of Wigan stated that the knee was irritated by som lotion, and this set up inflammation of th skin, and ultimately blood poisoning, fron which Fairhurst died. Witness expresse the opinion that the treatment was impro per and unskilful and showed gross neglig ence. . . . Mr. Rawlins, on being called, ad mitted that the lotion was an irritant, an that he intended it should be so. His lin of treatment was to produce suppuration He had treated over a thousand cases dur ing his twenty-four years' practice.

THE FEET AND THE PHARMACIST

By C. B. HOLLIDAY, M.P.S.

6. SOME USEFUL FORMULAS

FOOT ailments for which the pharmacist is in a position to advise and recommend treatment are, on the whole, as has been shown in previous articles, minor ones. There are many diseases of the feet for which expert opinion is required, and the wise pharmacist in such circumstances advises his customer to consult a chiropodist. Diseases of the bone, various deformities such as the so-called "hammer toe," bursitis, and so on, require skilled knowledge, and in many cases careful strapping and padding. Such work the average pharmacist is not qualified to undertake. Co-operation with a chiropodist, however, can bring the pharmacist much goodwill and is strongly recommended.

It has been shown that good "own-make" foot preparations are a great asset in building up a foot business, and that the pharmacist, by supplying reliable formulas, either ready packed or by counter prescribing, can treat minor foot ailments quite satisfactorily. The following formulas, therefore, are given as suggestions. All have been prescribed and found suitable by chiropodists and at foot hospitals.

For Hyperidrosis and Bromidrosis

Salicylic acid	2
Boric acid	10
Zinc oxide	10
Powdered starch to	100

Useful as dusting powder for dusting into the socks after bathing the feet.

The following, painted on the soles of the feet, helps to reduce perspiration.

Salicylic acid	3
Surgical spirit to	100
Perfume,	q.s.

Useful dusting powders include:—

I

Sulphur sublimed	20
Zinc stearate to	100

II

Alum, purified	15
Talcum to	100

Chilblains

The following are analgesic ointments:—

I

Menthol.	1
Camphor.	1
Benzocain.	5
Ol. eucalypt.	2
Liq. iodi mitis	2
Adip. lanæ hydros. / Paraff. molle alb.	of each equal parts to 100

II

Benzocain.	20
Menthol.	5
Adip. lanæ hydros. / Paraff. molle alb.	of each equal parts to 100

III

Adrenalin.	1-14,000
Amylocain hydrochlor.	
Benzocain. a.a.	1
Ext. hamamelidis liq.	5
Adip. lanæ hydros. / Paraff. molle alb.	of each equal parts to 100

The following paints are effective for unbroken chilblains:

I

Menthol.	1
Camphor.	5
Ol. arachis ad	100

II

Liq. iodi mitis of each equal
Tinct. benz. co. parts.

For broken chilblains, the following gives good results:

Menthol.	0.1
Camphor.	0.5
Proflavin. sulph.	0.1
Adip. lanæ hydros. ad	100

Emollient Ointment

The following is useful as an application to tired and inflamed feet, and when the skin is abnormally dry. It should be massaged into the skin gently after the feet have been thoroughly bathed and dried:—

Adip. lanæ hydros.	3
Paraffin. molle alb.	3
Ol. arachis	9
Ol. morrhuæ	1

Perfume with ol. bergamot.

Interdigital Fissures

The following applications are suitable:

I

Acid. salicylic.	5
Bismuth. carb.	40
Zinc. oxid. ad	100

II

Argent. nit.	3
Spirit. æther. nit. ad	100

The second is for reducing the horny edges of a fissure. Where there is interdigital maceration, the following may serve:—

Acid. salicyl.	3
Tinct. benz. co. ad	100

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The Editor would appreciate information about suppliers of the following items:

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Epprinenol.
Vitaspecs. Antisan.

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VOL. CXLVIII JULY 5, 1947 NO. 3515

Penicillin Stocktaking

THE announcement of considerably reduced prices for (coloured) penicillin sodium salt and penicillin oil-wax suspension, hardly more than twelve months after the compound had been made freely available to prescribers, might have indicated a number of alternative possibilities. It could have meant a slump in use of the antibiotic, calling for a reduction in price to give a fillip to production. It could have meant that white penicillin was so far outstripping the yellow variety that manufacturers were being left with excess stocks, and sought a way of disposing of them.

In fact, there is good reason to believe that neither of these alternatives is the correct explanation of the reductions. It is understood that the demand for penicillin arising from the needs of prescribers is greater by far than was anticipated when the control exercised by the Ministry of Supply was lifted in June 1946; higher than manufacturers' estimates of what they would be called upon to supply; and greater even than present production capacity, which is itself greatly above the output of a year ago. A production "ceiling," in fact, is not yet in sight, and the reduced prices are a reflection of economies that have been made possible by higher output. The enhanced demand is, moreover, not exclusively for white or for coloured penicillin. To the manufacturers it appears that the demand has increased about proportionately for both kinds, though pharmacists who have a considerable turnover in penicillin dispensing report that it is becoming increasingly general for practitioners to prescribe white penicillin. The white variety is, of course, insisted upon for neurological and ophthalmic work: its use for other purposes is more widespread than has, in all probability, been generally supposed.

For the increased consumption of penicillin one new factor may be held largely responsible: the massive-dose technique, which is coming more and more into favour. Today it is common practice for injections containing 500,000 units to be prescribed, although the (aqueous) B.P. Injectio Penicillini contained but 20,000 units per mil, while even the third edition of the National (War) Formulary (see *C. & D.*, June 28, p. 744) advanced no farther than to 50,000 units per mil. Other extensions of demand have resulted from the growing use of penicillin in penicillin-sulphathiazole powders, penicillin dental cones, tulles, etc.

Some pharmacists may feel surprised that prices should be reduced at a time when their own demands are perhaps not being fully met. The lag between home demand and home supply is not, however, believed serious, and strenuous efforts are all the time being made to catch up. It must be borne in mind, moreover, that part of the production is being earmarked, under Government pressure, for export (in order to gain much-needed dollars). Few will cavil at that policy in the country's present economic situation. It is, indeed, a matter for satisfaction that British penicillin is able to earn dollars in the face of American competition.

From the experience of one year it would be foolhardy to prophesy the extent to which the dispensing of penicillin and other antibiotics is likely to become in the future a considerable part of the work carried out in an average pharmacy. There are so far no signs of any decrease in physicians' demand for penicillin preparations, and pharmacists who have already made a speciality of such work consider that the expense and difficulties incurred have proved well worth while, particularly in increasing the prestige of their establishments. At present, there is certainly not

sufficient demand to justify making a penicillin dispensary, such as is described in this issue (see p. 21), a normal department of every pharmacy. A reasonable claim would be that every major centre of population could support one fully equipped sterile laboratory for such work.

A Better Quota Wanted

At the annual dinner of members of the Toilet Preparations and Perfumery Manufacturers' Federation of Great Britain, held last November (*C. & D.*, November 30, 1946, p. 710), the chairman (Mr. L. J. Matchan), commenting on the future control of the industry by way of restriction of output and sales, said, "I know many would be grateful and we, too, would like to be in a position to agree, but here is an industry which says, 'Please do not take control off — just yet . . . . . We do not ask for control for the sake of control . . . . . Nevertheless, we must approach decontrol so that it becomes possible next year'" [1947].

There was at the time Mr. Matchan expressed these views on decontrol reasonable hope that supplies not only of raw materials but of the thousand and one packaging materials required by the industry would be in fairly adequate supply during the next twelve months. Unfortunately, the difficulties of the manufacturers in these directions have not improved to the extent that would justify the Board of Trade announcing total decontrol, either at the half-year—as the trade had hoped—or at some later date this year. Instead the Department has published a notice (see p. 11) indicating that, due to lack of supplies of containers and packaging materials, it has been decided to continue the control at least up to December 1947, when the position will be reviewed. In the meantime, the current rate of licensing, together with the export bonus scheme, will continue to operate unchanged.

While the continuance of the control at least up to the end of this year may be acceptable to the Federation, we believe the decision to maintain the current quota rate of licensing unchanged will be opposed and efforts will be made to induce the department to allow increased supplies to the home trade, particularly for the la quarter of this year, in order to provi reasonable quantities of perfumes, co metics and toilet preparations for th Christmas trade.

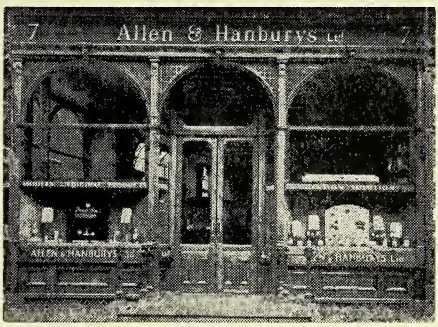
Production Difficulties and World Demand

There seems to be a growing opinion i some industries that the present seller market may not last much longer and th the time may indeed already be approach ing when buyers will hesitate before placin orders. "Buyer resistance" usually ind cates an increase in sellers, with the appea ance of competition among them as suppli approach equilibrium with demand.

Has this point been reached in pharma ceutical chemicals? It would be manifestl untrue to suggest that world requiremen of these products are being satisfied, for i every country in the world the demand i on the increase. Nevertheless, British manu facturers are finding that in some marke competition, not only from American pro ducers but also from Continental manufac turers, is gradually increasing. At th present time suppliers in all countries ar experiencing difficulty in keeping to de livery schedules; production is held up b world shortages of raw materials, lack o freight space and other obstacles. Fo British pharmaceutical manufacturers moreover, another temporary setback re sulted from the recent coal shortage, from which they are only now recovering. Th industry's main handicap, however, is stil its inability to obtain adequate supplies o almost all kinds of containers, while a further difficulty is the delay that is being experienced in obtaining new plant and other essential equipment.

One immediate outcome of the production difficulties of the manufacturers is the rather quieter tone noted recently in the crude drugs market. The outlook, however, is not unsatisfactory. There is every indication that the demand, not only for pharmaceuticals, but for the wide range of modern technical, industrial and fine chemicals—essential materials in practically every manufacturing process—will increase step by step with the gradual economic recovery of the world.

No. 7 Vere Street



The main entrance to Allen & Hanburys, Ltd., No. 7 Vere Street. The display windows are devoted to penicillin preparations and injection solutions.

IF the introduction of the National Health Service has the effect, as some have prophesied, of making dispensing the major source of the chemist's livelihood, more businesses may be expected to develop on the lines of the pharmacy of Allen & Hanburys, Ltd., at No. 7 Vere Street, London, W.1. The policy of the Vere Street pharmacy has been guided since the first prescription was dispensed there in 1885 by one main principle—the closest possible collaboration with the medical profession. Its site, in the heart of that part of London most favoured by medical and surgical specialists for their consulting rooms, was chosen deliberately.

Early Beginnings

The business had been founded some 170 years earlier at Plough Court, Lombard Street, in the City of London, by Silvanus Bevan, an apothecary. Bevan and his successors at Plough Court laid the foundation upon which was built the world-wide organisation that is Allen & Hanburys, Ltd., today. Despite the increasingly important part played, as the years went by, by the manufacturing side of the business, the retail pharmacy at Plough Court was maintained until demolished by a bomb in the recent war.

In the second half of the nineteenth century, however, the specialists were tending more and more to move away from the city and to establish themselves in the West End of London in the neighbourhood of Harley Street. Although Plough Court remained an admirable business centre, it became obvious that if that close touch with the medical profession, so long a feature of the firm's policy, was to be maintained, a branch would have to be established in the West End. Corner premises were accordingly acquired in Vere Street, off Oxford Street, and the new branch established at that address in June 1885.

From his office in the main pharmacy Mr. B. J. Thomas, the manager, can keep in touch with other parts of the premises by house telephone.

In appearance the Vere Street premises are all that is to be expected of a traditional British pharmacy. A note of dignity is struck by the exterior with its rich walnut and mahogany panelling, delicately carved arched window-frames, and neatly lettered nameplates. The window displays are restrained, and devoted mainly to the company's newest medical products. The same note of dignity is echoed inside. The shop is well lit by ceiling-high windows occupying the whole of the northern and western walls. The remaining walls are lined with highly-polished plate glass showcases and row upon row of glass shop-rounds, their gilt labels glinting in the sunlight. A great mahogany counter, with neat displays of the company's specialities, runs the length of the shop. Conveniently placed just inside the door is a desk at which members of the medical profession can sit to write their prescriptions, or refer to the latest medical journals kept readily available there. Showcases near the desk feature new preparations of especial interest to doctors. Further down the

shop against the window, and connected by house telephone to all the other departments, is the glass-panelled office of the manager, into which medical and other customers are invited for friendly discussions on a wide variety of medical and pharmaceutical problems. Among callers on less serious business have been a number of film directors, seeking "atmosphere" for use in their productions or information on some detail of pharmaceutical procedure to be enacted in a film. The "property" shop rounds in "Pink String and Sealing Wax" were modelled from an old bottle on the shelves at Vere Street.

Originally, a gracefully curved dispensing counter, in full view of the public, was fitted at the end of the shop furthest from the door. As the volume and variety of the dispensing work grew, more space was needed, and the premises have gradually been extended to occupy the neighbouring buildings in Vere Street. The original dispensary is now the dispatch department, where a special staff is kept busy all day sorting and packing a constant stream of orders, and preparing them for delivery.

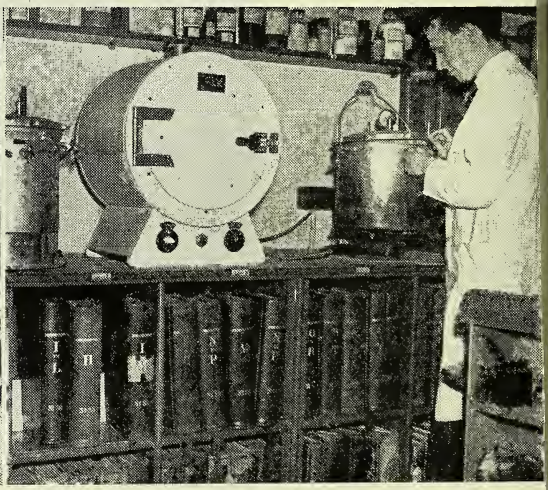
Old Prescription Books

An archway from the dispatch section leads to the prescription checking department. Here are preserved the accumulated prescription books of half a century. A glance through one dated 1890 shows that much time in those days must have been occupied in pill-making. Of seven entr on a typical page, four are for pills, all be prepared extemporaneously, the oth three being for a lotion and two mixtur The directions for taking one of the m tures occupy some twelve lines of sm handwriting.

Modern Autoclaves

On a bench above the racks of old p scription books, emphasising the changes dispensing that have taken place, stands day a row of autoclaves and an electric h air oven, in which the sterilisation of dru for injections is carried out. Here also, special drums, are sterilised the syring measures, stirring rods and other appar tus for use in the penicillin dispensa which is itself situated, however, well aw from the heat of the sterilisers. In cu boards in the checking department, al are the dangerous drugs and a wide ran of First Schedule poisons.

Prescriptions, as they are receiv from the counter or by telephone, a arranged in order of priority by t checker, and distributed among the sta of some ten pharmacists at work in the di pensary proper, which occupies the grou floor of No. 6 Vere Street. At individu benches distributed through the depar ment (and in the view of any curio passer-by in Vere Street who cares to star on tip-toe and peep in) are constantly b ing prepared, mixtures, pills, ointment cachets, suppositories — every conceivab



Mr. A. F. Casy, the apprentice, at work on a batch of pills. Right: A rack of old prescription books providing a contrast with the modern hot-air oven and autoclaves.

Medicines being packed for delivery by bicycle, van, post or passenger train. On a ledge above the packing bench can be seen a jar of leeches for which, even now, there is a steady demand.

variety of medicament. In addition to prescriptions for delivery direct to patients, much of the department's work consists in dispensing prescriptions sent in from chemists in all parts of Great Britain. Often they contain rare or unusual ingredients: some call for techniques and apparatus beyond the scope of the average pharmacy; many are written by foreign doctors. The variety of work handled at Vere Street is an obvious attraction to foreign pharmacists wishing to obtain experience in Britain, and several nationalities are usually represented on the staff.

At present there are an Australian, an Indian and a Czech. Few nations are not represented in the list of pharmacists who have worked there in recent years—(and as each has left he has followed a long-standing tradition by inscribing his autograph in the bottom of an old dispensary drawer). Foreign prescriptions, which may prove puzzling to an English pharmacist, usually present no problems to one or other of the pharmacists from overseas. A complete day and night dispensing service is maintained. The front door at Vere Street opens at 9 a.m. and does not close again until 9.30 p.m. A rota system for the staff ensures that a full dispensary service is always available. At 9.30 p.m. the night duty man takes over. He sleeps on the premises with the telephone and front door bell connected to his bedside, so that he is instantly on call for urgent requirements. Advantage of the unusual hours of duty necessary to maintain such a service has been taken from time to time by pharmacists anxious to continue their studies and take medical degrees while continuing to pay their way.

Penicillin Dispensary

When, in 1946, penicillin was first released for general use, Vere Street was inundated with prescriptions from all parts of Great Britain. Urgent measures had to be taken to cope with the demand, and a special penicillin dispensary was equipped. No extra supplies of building materials were made available, and the present penicillin dispensary is a monument to the ingenuity of its designers. Completely screened from the rest of the dis-

pensary, it consists of two separate departments, one for non-sterile preparations, the other reserved for preparations requiring aseptic technique. A glass screen divides them. In each, great care has been taken to prevent dust-traps: ledges and panels are avoided, and all surfaces are of glass, rubber or glossy white enamel. A special installation pumps filtered air into each compartment, maintaining a draught-free positive pressure. Fluorescent strips provide "daylight" lighting. The non-sterile department contains a large sink, and adequate bench space and apparatus for making such preparations as penicillin cream. Entrance to the aseptic-technique section is through a porchway designed to prevent the accidental admission of dust and germs. Because of the appearance of the porch, completely covered at its outer edge with a rubber curtain, the department has been irreverently dubbed by the staff "Rose Cottage." Entrance is effected by lifting aside the curtain, which is allowed to fall back into position before the inner glass door is opened. The floor space between the curtain and the door is covered by a mat saturated periodically with germicide. Inside are two working benches, each with a penicillin dispensing screen, one made completely of transparent plastic and the other of stainless steel.

An operator, wearing cap, mask and gown, prepares an injection solution in the penicillin dispensary. Inset: A special installation through which filtered air is pumped into each compartment of the penicillin dispensary. Fluorescent strips provide shadowless "daylight" lighting.

"Scrubbing Up"

The sink is of the operating-theatre type, where the dispenser, wearing cap, gown and mask, may "scrub up" without handling the taps. Adjustable stools are provided for the operators. Apparatus required for making injections is kept ready-sterilised in the drums in which they have been brought from the autoclaves. A refrigerato where penicillin is stored and where th finished preparations are kept, complete the equipment.

Activities at Vere Street are by n means confined to the ground floor. I the basement is a wholesale department well known to retail chemists, and refri gerators where are stored every imaginabl variety of vaccine and serum. On an other floor are laboratories devoted to th small-scale manufacture of injection solu tions. A recent development on the to floor is the establishment of a canteen where, at gay flower-decked tables, inexpensive meals are served to the staff.

And so, in this building, a hive of planned industry, is being maintained the tradition established at Plough Court nearly 250 years ago. Whatever developments the future may bring, No. 7 Vere Street will continue to harness the full resources of pharmacy to the service of medicine.

BEFORE PHARMACOPŒIAS WERE COMPILED

By Howard Bayles

BOOKS of reference used by apothecaries before the advent of pharmacopœias form an interesting study. It may be recalled that the earliest formularies to receive collective sanction were authoritative for local communities, not for kingdoms, and that the position of ancient medical authorities was hardly challenged by their publication. There are three recognised lists of such books.

(1) The shortest of these lists forms the eighteenth of the twenty-one rules in Bullein's "Bulwarke of Defence" (1562): "That he [the apothecary] delite to rede *Nicolaus Myrepsi, Valerius Cordus, Iohannes Placaton the Lubik. &c.*"

(2) In Part II of a late edition (1651) of Robert Recorde's "The Urinal of Physick" the dispensatory of Bernardus Dessinius Cronenburgius (1555) is given pre-eminence among books "made for Apothecaries." The anonymous author of this list, described as "a Doctor of Physick in Queen Elizabeth's dayes," mentions treatises by Cordus, Fuchsius, Nicolaus Myrepsus, Silvius (or Sylvius) and others.

(3) The preface to S. F. Gray's "Supplement to the Pharmacopœias," a book first published in 1818 and continued through numerous editions till a comparatively recent date, mentions "Avicenna on simples; Serapion on the same subject; Simon Januensis De Synonymis, and his Quid pro Quo; the Liber Servitoris of Bulchasim Ben Aberazerin, treating of the preparation of minerals, plants and animals; the Antidotarium of Johannes Damascenus or Mesue . . .; and the Antidotarium of Nicolaus de Salerno." Concerning the last-named Gray states: "There were two editions in use; in the common edition, or Nicolaus parvus . . . several of the compositions of the Nicolaus magnus were omitted . . ." As Gray's list corresponds closely with that in a similar statement in Henry Pemberton's translation of the Pharmacopœia Londinensis of 1746, we may infer that Gray took his information from Pemberton, adding the remark on Nicolaus of Salerno after further search. Pemberton, more explicit and more cautious than Gray, gives the source of his list and puts the responsibility for it on its original author, Saladinus of Ascoli. It may be noted that Pemberton and Gray are in substantial agreement as to the period.

The next step is to ascertain the actual words used in the original list. They are found in the "Compendium Aromatariorum" of Saladinus, and begin with the statement "Dico quod sex libri sunt necessarii" ("I say that six books are necessary"). He criticises the antidotarium of Nicolaus of Salerno. There are, he writes, two antidotaria by that author, the great, "quod non est in usu propter eius prolixitatem, licet sit optimum" (which is not in use on account of its prolixity, though it is the best"), and the small, which everyone commonly uses. (Even in that age, prolixity was not necessarily commendable.) The Appendix to "Pharmacographia" (2nd edition) gives the date of this Compendium as "*circa* 1442" (just before the invention of printing), and Dr. Arturo Castiglioni, in his History of Medicine (English translation, 1946), summarises its contents, which include "details for organising and conducting a pharmacy."

Composite Publications

Before indicating the contents of some of these books, it may be desirable to deal with a difficulty. Treatises of the kind were, no doubt, expensive; and for use in this country they would presumably be imported, as I know of no edition of any of them printed before 1618 at any of the few presses then functioning in London and the provinces, though a Latin edition of Mesue was published at Venice in 1471, and one of Avicenna at Milan in 1473. How many of these recommended volumes were likely to be found in the shops of the generality of apothecaries? Some light is thrown on this matter by consulting the General Catalogue of the British Museum Library. One finds there that in the fifteenth and sixteenth centuries what may be called composite publications were not uncommon. Two examples may suffice.

A folio volume dated September 1531 has a title-page stating: "In Hoc Volumine continentur. Insignium Medicorum, Joan. Serapionis Arabis de Simplicibus Medicinis opus præclarum & ingens. Averrois Arabis, de eisdem Liber eximius. Rasis filii Zachariæ, De eisdem Opusculum perutile. Incerti item autoris de centaureo Libellus hactenus Galeno inscriptus . . ." (Here and in a few other quotations I have modernised the spelling.) The excerpts from the four authors (including the uncertain

one) are descriptive of vegetable, mineral and animal materia medica, with lists of hot, cold, moist and dry substances and classified types of medicines. Otto Brunfels was the compiler.

Mesue and Others

Another folio volume, ostensibly an edition of Mesue's works (dated 1561 and 1562), has still more varied contents. The title-page begins: "Mesuae Graecorum, ac Arabum clarissimi medici Opera quæ extant omnia"; it continues with a lengthy subtitle. All but the last of its 493 folios are printed on both sides, and the text of Mesue is copiously annotated by Jacobus Sylvius, Johannes Manardus, Andrea Marinus and others. The first ninety folios comprise a treatise on materia medica. This section is followed by Mesue's Grabadin, defined as "aggregatio, vel Antidotarium . . . aliarum, medicinarum compositarum," in other words, a formulary. The formulas are arranged in two ways: (1) Pharmaceutically, classified as syrups, pills and other forms of medicament; (2) therapeutically, under disease headings ("Grabadin Medicinarum Particularium"). A complete study of the profusion of formulas would probably disclose a certain amount of duplication. Comments and additions by Petrus Apponus and Franciscus de Pede Montium complete the second part of the book.

Balneum Mariæ, from an edition of Mesue, 1561-62

The remaining sections, beginning on folio 366, are shorter. They consist of the Antidotarium of Nicolaus Præpositus, with expositions and glossary; another exposition of it; a treatise on doses and the "complexions" of medicines; an alphabet of alternative medicines ("Tractus quid pro quo"); Liber Servitoris ("id est liber xxviii Bulchasim benaberazin, translatus a Simone Januensi, interprete Abraham Judæo Tortusiensi"); the Compendium Aromatariorum of Saladinus of Ascoli; a "libellus" by Abhenguefit on the virtues of simples; a list of weights and measures, compiled by Apuleius; and a treatise by Alchindus on the composition of medicines. Amo these numerous authors the mediæv reader had plenty of choice.

The treatment of Mesue by his comme tators is thorough. Taking "De Aloe" an example, we find: (1) Introduction Jacobus Sylvius; (2) Mesue's text; (3) passage taken from Dioscorides; (4) ann tations by Andrea Marinus; (5) annotati by Johannes Manardus. Turning to t formulas, several of whi are elaborate, I select short specimen:—

> PI lulæ ad omn morbos catarrhi, coryzæ, & tuss catarrhalis. Rec. myrrh puræ. ʒ vi. olibani ʒ opii, hyoscami. ana. ʒii croci. ʒi. & s. radicu linguæ canis. ʒiiii. & Fiant pilulæ, & admin strentur, & da à ʒs. usq ad. ʒi.

The marginal note "Ant (i.e., antiqua versio) printed to indicate th authorship of the formul and comment is in this in stance light. (The dose c opium, after allowing fo excipient, appears to b about gr. iv. - gr. viij.) Re ference has been made t the profusion of formula in this book. Those o Nicolaus are printed meti culously—e.g., "ana drach i. & s. & gran. iii;" bu the chance of misprinting in so much closely set type must have been considerable. In leaving Mesue and his commentators, the contents of Liber Servitoris may be indicated. They consist of directions for the preparation of mineral substances, medicaments from vegetable sources, and animal substances. In the third section the combustion of scorpions is one of the operations described.

Selections from Avicenna

Remembering the great reputation of Avicenna in the Middle Ages, one is inclined to wonder why apothecaries were recommended to read merely that part of the Avicennian canon relating to simples, for apothecaries were supposed to be diligent students.

O. C. Gruner, in his book on the canon (1930), gives the following contents:—

Book I. General matters relative to the science of medicine. (1) The definition and scope of medicine. Health. (2) The classification of diseases; their general causes and symptoms. (3) The preservation of health and regiminal treatment. (4) The classification of the modes of treatment in general.

Book II. Materia medica.

Book III. Special "pathology" (Medical and Surgical).

Book IV. Special diseases involving more than one member. The cosmetic art.

Book V. Formulary.

ROSA.

Rosebush, from an edition of Mesue, 1561-62

Mediæval apothecaries who read the advice of Saladinus may well have asked why they should be expected to study two authors on the subject of simples; and we may reasonably suppose that the most useful part of Avicenna's canon in the daily work of the apothecary's shop was the fifth book, to which attention was not called. At the head of this book, in the edition of Books IV and V consulted in preparing this article, are the words "et est Antidotarium." As with Mesue, the arrangement is first under classes of preparations and secondly under diseases. After this come lists of weights and measures, a vocabulary, and two minor treatises by Avicenna. The annotations are by Gentilis (or Gentiles) Florentinus.

Cronenburgius

"De Compositione Medicamentorum . . .," the dispensatory of B. D. Cronenburgius so highly praised by Recorde, is much easier to read than any edition of Mesue or Avicenna that I have seen. Formulas are usually printed with a line for each ingredient, almost in the style of the present day. The book is divided into ten sections, each comprising one or more classes of preparation; and every formula is followed by the author's comments. These comments do not usually err on the side of brevity: a formula for Theriaca Andromachi Junioris, for instance, is annotated by five and a half pages describing the history of theriacas and of many of the drugs contained in them, with occasional quotations from Latin poets. A similar regard for theriacas is observable in other books of this class and period. One formula may be quoted as a witness to the elaboration customary in the sixteenth century—and later:—

Hiera Picra Galeni, ex Mesue.

℞. Cinnamomi, mastichæ, asari, spicæ nardi, carpobalsami, croci, xyloaloës, casiæ [*sic*], ana partes æquales. Quidam addiderunt absinthium, atque alii alia. Aloës autem sit duplum ponderis omnium.

The "alii alia" seems to open the way to much individual variation, with subsequent explanations to customers. A few quaint features of the formulas may be noted. One ingredient in a cerate is blood from a red man, though our author concedes that the redness is not essential. A plaster contains crust of bread steeped in vinegar for half an hour. An Unguentum Citreum and two examples of Unguentum Citrinum (titles likely to lead to confusion) are almost entirely vegetable in composition, though the third of them includes yolk of egg. The Unguentum Citreum requires thirty dog days, with the warmth of the sun, for completion. The practice of carrying an apple or some other fruit stuffed with spices is recognised in formulas as "adversus pestem, hyberno tempore, manibus versandum, naribusque admonendum." At the end of his commentary on all the formulas Cronenburgius goes on to complain, without starting a new paragraph, of the difference in "cyathi," a trouble still prevalent.

Authors Named in P.L.1618

From this brief account it is clear that an apothecary would not need to buy six books in order to have at hand the information prescribed by Saladinus: it is not impossible, indeed, that some publisher may have included in one volume the six treatises mentioned. The prestige of Greek, Latin and Arabian physicians in the Middle Ages is reflected in the fact that many formulas in the first London Pharmacopœia have the abbreviated name of one of these authors attached. Mesue leads with 126 formulas; Nicolaus has fifty; Galen twenty-seven; Rhasis six; Avicenna four; and a few more well-known classics of medicine are similarly represented.

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclus of substances therein is no indication that they are available in Britain or, if availal permitted to be used for the purpose.

Bath Crystals.—*L. M.*—The substance which you are probably seeking for the preparation of bath salts is sodium sesquicarbonate. This is supplied commercially in fine crystals, and may be perfumed as desired.

Toilet Lanolin.—*J. McD.*—Toilet lanolin may be prepared according to the following formula:

Toilet grade soap	℥ j.
Distilled water	℥ j.

Dissolve by heat and mix with

Lanolin	℥ j.
Glycerin (or glycerin substitute)	℥ j.

A warm mortar should be used for mixing, and the product suitably perfumed.

Relief of Sunburn.—*J. D.*—Many different types of preparation are used for the relief of sunburn, three examples of which are given below:—

Calamine Lotion Type:

Collodal calamine	20
Glycerin	5
Water	75
Antiseptic	q.s.

Triethanolamine Milk:

Triethanolamine stearate	11
Liquid paraffin (B.P.).	50
Water	300
Antiseptic	q.s.

If desired 10 per cent. colloidal calamine may be added to this mixture.

Tannic Acid Preparation:

Tannic acid (B.P.)	2
Glycerin	5
Water	93
Phenol	0.5

Dry Shampoo for Dogs.—*W. A.*—Dry shampoo powders for dogs are often made of fine pinewood sawdust, fuller's earth or kaolin, to which are added perfumes such as pine, eucalyptus, clove oil or terebene, or a small quantity of naphthalene. The powders are rubbed into the coat and removed afterwards by brushing.

Chill in Cattle.—*W. M. N.*—The following formulas are for preparations used in treating cattle suffering from chill:—

I

Tr. arnicæ	ʒ ij.
Spt. camphoræ	ʒ vj.
Pulv. capsici	ʒ j.

II

Liq. amm. acet. conc.	℥ iv.
Sp. æth. nit.	℥ iv.
Tinct. opii camph.	℥ iv.
A. ad	℥ xl.

M. ft. mist. Quartam partem nocte maneque.

The animal is warmly covered for three hours, and the whole body then rubbed down with a wisp of straw. Next day a similar dose is given, and the treatment repeated on the third day.

Carboy Colourings.—*W. J. R.*—Coloured soluti suitable for placing in carboys may be made to following formulas:

RED

I

Iodine	3 dr.
Potassium iodide	3 dr.
Hydrochloric acid	10 oz.
Water	2 gall.

Dissolve the iodine and potassium iodide in 8 of water, and dilute with the remainder, to wh the acid has been added.

II

Potassium thiocyanate	40 gr.
Tincture of ferric chloride	2 oz.
Water	2 gall.

GREEN

I

Copper sulphate	1 lb.
Common salt	3 lb.
Hydrochloric acid	1 pint
Water	2 gall.

Dissolve the copper sulphate and salt in the wat add the acid, and set aside for several days, th decant the clear solution.

II

Nickel sulphate	3 oz.
Sulphuric acid	6 oz.
Water	2 gall.

Dissolve the nickel sulphate in the water, and ac the acid, stirring constantly. Allow to deposit, ar decant.

Composition of Sherbet.—*B.R.D.*—Below is a fo mula for sherbet as often sold by confectioners:-

Sugar	4 lb.
Tartaric acid	2 lb.
Sodium bicarbonate	2 lb.
Oil of lemon	2 dr.

A water-soluble dye may be used for colouring (abo ¾ gr. to 1 lb.), the solution of the dye being mixe with the sugar.

Adhesive for Paper Packets.—*A. D. R.*—Th following formula produces a paste which is satis factory for fixing labels to paper packets, etc.:—

Dextrin	16 oz.
Thymol	15 gr.
Water	17½ oz.

Dissolve the thymol in a little spirit, mix with th dextrin, and add the water. Heat on a water bat until dissolved. Allow to settle, skim and decant.

Chilblain Liniment.—*S. S.*—A liniment for chil blains may be prepared as follows:—

I

Camphor	
Potassium iodide	of each ..... 5 gm.
Glycerin	
Tincture of benzoin	
Soap spirit	40 gm.

II

Potassium iodide	gr. xx.
Glycerin	M xxx.
Liniment of soap (meth.) to	1 fl. oz.

OVERSEAS TRADE NEWS

West African Palm Oil Extraction.—A Dutch company, the Stork Engineering Works, have received an order for the construction of ten palm oil plants in West Africa. The first plant will be delivered within a year and the last within three years.

Brazilian Import Control.—Under the recently formulated system controlling foreign exchange purchases against imports, the Bank of Brazil is to give first priority to a long list of articles and commodities, including industrial chemicals and pharmaceutical products.

India's Shellac Exports in May.—Increased exports of shellac and seedlac were made from India during May, the total being 39,325 packages, against 34,449 packages in April. 10,542 packages of shellac were shipped to Britain, compared with 8,532 packages in April.

Argentina Restricts Imports.—The Argentine Central Bank announced recently the suspension of exchange permits for the import of several classes of goods as well as alterations in exchange rates for other imports. The goods for which import exchange permits will no longer be issued include perfumes and cosmetics.

Czechoslovak - Turkish Agreement. — The Czechoslovak Constituent Assembly has ratified the trade and payment agreement with Turkey signed in December 1946. According to the terms of the agreement Czechoslovakia will import from Turkey tobacco, chromium ore, opium, and hides in exchange for machinery and trucks.

Polish Nitrogen Industry.—Reconstruction of the State nitrogen works is progressing well, and it is hoped that the plant will be in full production by the end of 1947. Reconstruction will require a total investment of about 350 million zloty. It is hoped that production of chlorine and nitrogen will be resumed shortly. At present the main products are methyl alcohol and formalin.

S. African Price Controls Ended.—The removal of price control from cosmetics, perfumes, toilet preparations, with the exception of soap and from chemists' sundries, other than bandages, dressings and goods made of cotton or paper, has been announced in a Government Gazette Extraordinary. A Cape Town firm of chemists stated that the prices of these goods will not be affected, as there is a large enough supply in the Union for prices to remain competitive.

Bavarian Furnaces Dismantled. — Reports that the American Military Government in Bavaria has stopped work at seven carbide furnaces in that province are causing considerable uneasiness among German industrialists. It is stated that the furnaces are later to be dismantled. One factory is to be closed down, another is to give up a quarter of its productive capacity and a third is to give up half. A large number of factories which do nothing but prepare basic pharmaceutical products depend upon a supply of carbide for their processes.

German Chemicals Export Programme. —The authorities in Minden, Westphalia, are busy examining export programmes to a total value of about 185 million Reichmarks and requiring raw material imports involving an expenditure of 5,500,000 Reichsmarks. The pharmaceutical industry will play an important part in Germany's export programme. Production is to be stepped up to 80 per cent. of pre-war capacity by 1949. Exports of drugs should be increased to an annual value of 120 million Reichsmarks by that year.

French Penicillin Production.—Output of penicillin in France will be sufficient by the end of 1947 to meet requirements and imports will no longer be necessary, the chairman of the Société des Usines Rhone Poulenc, Paris, one of France's leading chemical producers and a supplier of penicillin, announced at the company's annual meeting recently. The company, which set up its first penicillin laboratory in 1943 and opened one plant in 1945, is to start operations in another factory in the near future. It is hoped that output will reach 50 milliard units a month by October.

Transvaal Cosmetic Plants Closing Down.—Foreign competition entering the South African market has caused as many as six Transvaal cosmetic plants to close down, according to Miss R. O'Meara, secretary of the Chemical Workers Union. There were now only three or four cosmetic factories still working in the Transvaal, and these were all concerns which were established before the war. Those that had closed down were all of war-time growth. Miss O'Meara said the medicine, insecticide and ink sections of the chemical trade were not at present affected by recession.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantiti of standard quality. Prices of crude drugs and essential oils vary as to brand or grad

28 Essex Street, W.C.2, July 2

REPORTS from all sections of the PHARMACEUTICAL CHEMICALS markets indicate a rather quiet week, with few orders placed outside routine requirements. Prices are uniformly steady, with neither upward nor downward movements. The single exception is in the magnesia group. New scales of prices for MAGNESIUM CARBONATE, OXIDE and TRISILICATE (given below) are now in operation. Prices of BROMIDES are steady at the recent slight advance.

Crude Drugs

Interest has been lacking this week in the majority of commodities on the CRUDE DRUGS markets. Home traders have been buying only to meet immediate requirements, and the lack of dollars for overseas purchases of many commodities is a story too often told to need further emphasis at this juncture, especially after the Chancellor's recent House of Commons statement announcing cuts, or powers to make cuts, in imports of many goods from the United States of America. So far as crude drugs of American origin are concerned, it cannot yet be definitely stated whether they will be affected or whether they will continue to be admitted on the previous scale as "industrial raw materials." On the London markets price movements in all drugs have been as few as the volume of sales has been light. AGAR continues to be available at unchanged prices. Rather easier spot conditions are to be noted in a number of commodities such as CASCARA, of which new-crop material is either available or due to appear shortly, though at the source the quotations do not appear to have weakened. IPECACUANHA and SENEGA are similarly easy on the spot. LOBELIA HERB has been in good inquiry. There are still no forward offers of Chinese MENTHOL, and the currency position in China presents problems to importers. RHUBARB prices are steady, and there are fair stocks of rather wormy material.

Essential Oils

Conditions in ESSENTIAL OILS continue slack, with holders hardly anxious to sell at prices sometimes below what they themselves paid, and buyers not inclined to make purchases beyond routine requirements. Only in shipment prices of products from the monsoon areas is there any suggestion of increased prices, and these may be put down to local attempts to exploit transport difficulties—attempts hardly promising success in view of the stocks held in London, and consequently of the small need for anyone to import at present.

Exchange Rates on London

Bank of England fixed rates at the ope ing on Wednesday morning were :—

Centre	Quoted	July 2
*Alexandria ...	Piastres to £	97⅜–97⅝
Amsterdam ...	Florins to £	10.68–10.7
*Bombay	Pence to rupees	1-5 15/16–1-6 1/1
Brussels	Francs to £	176½–176¾
Copenhagen ...	Kroner to £	19.32–19.3
Dutch East Indies	Florins to £	10.68–10.7
Dutch West Indies	Florins to £	7.58–7.62
*Hong Kong ...	Pence to $	1-2 15/16–1-3 1/1
Lisbon	Escudos to £	99.80–100.
Montreal ...	Dollars to £	4.02¾–4.03
New York ...	Dollars to £	4.02¾–4.03
Oslo	Kroner to £	19.98–20.0
Paris	Francs to £	479.7–480.
Rio de Janeiro ...	Cruz to £	75.3948
*Singapore ...	Pence to $	2-4 1/32–2-4 3/16
Stockholm ...	Kronor to £	14.47–14.5
Zurich	Francs to £	17.34–17.3

* Free market rates.

U.S. Drug and Chemical Repor

New York, June 27

A NEW purified streptomycin is bein offered on the market to sell, like the regula streptomycin, at $5 per gm., less 20 per cen to hospitals and retailers. The new pr duct is stated to be the calcium chlorid complex of the salts commercially availabl hitherto. Another consignment of Chines MENTHOL is reported to have arrived i America recently, and the quotation ha been reduced by 25 cents per lb. to $8.5 The U.S. Commercial Co. has received consignment of Japanese AGAR, reported t comprise about 175 bales. In 1947 th United States received 290,600 gall. of New foundland's exports of cod-liver oil. CITRI ACID is being offered by dealers at 26 to 26 cents per lb., against 27-27½ cents a weel earlier. Although sales of CRUDE DRUG were again light during the week, a reversa of the downward price tendency of recen weeks was noted in a fair list of items. I is thought in some quarters of the marke that, if buyers continue to hold off in th hopes of further price reductions, domesti collections of herbs will be discouraged, an a complete reversal of the present state o affairs may then take place. Attempts to obtain Government support in stabilising CARNAUBA WAX prices in Brazil appear to have failed, and quotations on the U.S. market have eased; No. 1 is available at $1.05 per lb., against $2 earlier in the year and against a pre-war price of 40 to 45 cents per lb. Despite a belief held in some trade circles that ESSENTIAL OILS have reached their post-war levels, prices continued to decline during the week.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder. In short supply.

ANETHOLE.—Quotations for material prepared from star anise oil are easier at 17s. 6d. per lb.

ASCORBIC ACID.—Current quotations are at from £23 10s. per kilo, upwards.

BROMIDES.—Recently increased rates per lb. for POTASSIUM, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 3s. 5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk, 1 cwt. is quoted at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; Ammonium is ½d. per lb. more (not less, as inadvertently stated last week) than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K. Prices and conditions apply to trade in Eire on usual carriage paid terms, duty and marine war risk insurance for buyer's account.

CREAM OF TARTAR.—British makers announce lower prices, as follows: 10-cwt. lots, 201s. per cwt.; 5-cwt., 202s.; 3-cwt., 203s.; 1-cwt., 205s.

EUCALYPTOL.—B.P. quality, in good supply, is available at 11s. 6d. to 13s. per lb., according to quantity.

HEXYL RESORCINOL. — Quotations are at from 18s. to 20s. per oz. and upwards.

MAGNESIUM CARBONATE (B.P. LEVIS).—Prices for home trade were increased as follows on July 1. Containers in brackets. 28 lb. to 1 cwt., 1s. 6d. (1 lb.); 1s. 5d. (2 lb.); 1s. 4½d. (4 lb.); 1s. 3½d. (7 lb.); 1s. 3d. (14 lb.); 1s. 2d. (28 lb.) per lb. Bulk quantities range from 94s. to 99s. per cwt., as to quantity, carriage paid.

MAGNESIUM CARBONATE (POND., B.P.).—Prices for home trade were increased as follows on July 1. Containers in brackets. 28 lb. to 1 cwt., 1s. 9d. (1 lb.); 1s. 8d. (2 lb.); 1s. 7½d. (4 lb.); 1s. 6½d. (7 lb.); 1s. 6d. (14 lb.); 1s. 5d. (28 lb.) per lb. Bulk quantities range from 121s. to 131s. per cwt., as to quantity, in 28 lb. packages, carriage paid.

MAGNESIUM OXIDE (B.P. LEVIS).—Prices for the home trade were increased on July 1. Containers in brackets. 28 lb. to 1 cwt., 3s. 5d. (1 lb.); 3s. 4d. (2 lb.); 3s. 3½d. (4 lb.); 3s. 2½d. (7 lb.); 3s. 2d. (14 lb.); 3s. 1d. (28 lb.) per lb. Bulk quantities range from 2s. 4½d. to 2s. 6d. per lb., in 28 lb. packages, as to quantity, carriage paid.

MAGNESIUM TRISILICATE (B.P.).—Prices for the home trade were increased on July 1. Containers in brackets. 28 lb. to 1 cwt., 4s. 4d. (1 lb.); 4s. 3d. (2 lb.); 4s. 2½d. (4 lb.); 4s. 1½d. (7 lb.); 4s. 1d. (14 lb.); 4s. (28 lb.) per lb. Bulk quantities range from 3s. 2d. to 3s. 4d. per lb. in 28 lb. packages, as to quantity, carriage paid.

METHYL SALICYLATE.—Current rates are as follows: Winchester quarts, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt., in demijohns or carboys, 2s. 0½d.; 5 cwt., 2s. All prices are net. Deliveries are restricted, mainly owing to shortages of containers.

RESORCIN.—In short supply. Current prices are at from 10s. to 12s. 6d. per lb., according to quantity.

SALICYLIC ACID.—Makers' prices per lb. for quantities of 28 lb. up to 1 cwt. (containers in brackets) are as follows: 2s. 8½d. (1-lb.); 2s. 7½d. (2-lb.); 2s. 7d. (4-lb.); 2s. 6d. (7-lb.); 2s. 5½d. (14-lb.); 2s. 4½d. (28-lb.). Net one month.

SULPHANILAMIDE.—Large quantities are quoted at 5s. 9d. per lb. upwards; smaller quantities are at 7s. to 7s. 6d. per lb., according to pack.

TANNIC ACID.—In very short supply. B.P. levis, ex ether, 10s. 6d. per lb. upwards, according to quantity.

Crude Drugs

AGAR.—Japanese strip in original packages is still available at 18s. 8d. per lb., plus 28s. 6d. per bale of 100 lb.

ALOES.—Curaçao, on the spot, is quoted at prices from 240s. per cwt.; forward quotations, from 215s. to 220s., c.i.f. Socotrine, spot, steady at 150s. to 190s. per cwt., as to quality. Cape, in boxes, for shipment, quoted at 175s., c.i.f.; spot, available at 195s. per cwt.

ANISE (STAR).—Spot supplies steady at 140s. per cwt., duty paid; forward, 95s., c.i.f.

BALSAMS.—*Canada*, spot, rather scarce at 15s. per lb.; Parà *Copaiba*, spot, quoted at from 8s. 3d. to 8s. 6d. per lb., according to seller, for soluble, and 7s. 3d. for insoluble. *Peru* is a little easier at 7s. 3d. per lb., duty paid. *Tolu*, unchanged at 18s. per lb., spot.

BISMUTH.—Current price for high-grade metal is 10s. per lb., in 5-cwt. parcels.

BUCHU.—New-crop short rounds, steady and unchanged at 4s. 3d. per lb., spot; shipment, 4s., c.i.f.

CAMPHOR.—The currency exchange position has been responsible for very firm prices. Chinese tablets (¼-oz), quoted at 11s. 3d. to 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa crude (B.B.) 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CARDAMOMS.—Quiet and steady, with prices from the source showing a tendency to harden on account of monsoon conditions. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, is at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

CASCARA SAGRADA.—Quotations for 1946 peel are easier at around 260s., duty paid; American new-crop, for shipment, rather firmer, but there are still sellers at 200s. to 210s., landed and duty paid.

CASCARILLA.—Fair stocks are available at 1s. 10d. per lb. for quills and 1s. 6d. for siftings, with little interest shown.

CHAULMOOGRA. — In limited demand. *Hydnocarpus* is available at 1s. 11d. per lb., in tins in cases.

ERGOT.—Spot quotations are at 5s. per lb.; forward, 4s. 6d., c.i.f. No quotations are yet to hand for new-crop material.

GAMBOGE.—Siam pipe, scarce on the spot, is quoted at £65 per cwt.; shipment, £40. c.i.f.

GUAIACUM RESIN.—Lump material, in London, quoted at 2s. 9d. per lb., landed.

GUM ACACIA.—Quotations for Kordofan cleaned sorts are at 72s. 6d. per cwt., spot; shipment, 55s., c.i.f. Bleached No. 1 is quoted at 145s., ex store, and Talha at 41s. per cwt., spot; forward, 37s. 6d., c.i.f.

HYDRASTIS.—Firm. Spot quotations are at around 60s. per lb.

IPECACUANHA.—Dealings have been negligible. Nicaraguan root is quoted at 28s. per lb. on the spot, and shipment is a shade easier at 21s. 6d., c.i.f.

JALAP.—Vera Cruz, offered at prices from 2s. 3d. to 4s. per lb., according to test.

LOBELIA.—Good inquiry is reported by dealers at prices unchanged from the previous quotation of 6s. per lb.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochin, scarce, 42s. 6d. to 45s., spot, as to seller.

MENTHOL.—The price to consumers of Brazil is in the region of 45s. to 46s. per lb., duty paid, according to holder; forward, 39s. to 40s., c.i.f. Business has been done in Chinese, in cases, at prices around 50s., duty paid, with still no forward offers.

MERCURY. — Spot quotations are at £17 3s. 6d. per flask, ex warehouse; for shipment, £16 12s. 6d., c.i.f.

PAPAIN. — Heavy deliveries continued throughout May in the East African markets, states a Barclays Bank report. Prices at origin remain high, but a rising tendency appears to have been checked, with U.S. buyers disinclined to accede to demands for increases.

QUILLAIA.—Natural bark, quoted at 130s. per cwt., spot; cut, for future delivery, 150s., or store.

RHUBARB.—Spot quotations for Chinese rough round of fair to good fracture are at from 6s. to 8s. per lb.; forward, from 5s. to 7s., c.i.f. French rhapontica is quoted at 2s. per lb., spot. There are still fair spot stocks of slightly weevily quality at 4s. 9d. to 5s. 6d.

SANDARAC. — Quotations are at 6s. to 6s. 3d. per lb., ex store London.

SARSAPARILLA. — Jamaica, native red, quoted at 2s. 3d. to 2s. 4d. per lb., spot.

SEEDS.—The market is quiet, with pri about unchanged from last week. ANISE. Cyprus, 2s. 3d. per lb., spot, London Liverpool. CARAWAY.—Dutch, offered 1s. 3d. per lb., duty paid, spot, Londo CELERY.—Indian, quoted at 1s. 5d. per l spot, London and Liverpool. CORIANDER. Spot, Morocco, nominal at 40s. per cw duty paid; Argentine, quoted in Liverpo at 47s. 6d. per cwt.; English, 70s. 75s. per cwt. New-crop Morocco, Jul August shipment, quoted at 45s. per cw c.i.f. CUMIN.—Spot, Morocco, 237s. 6d. p cwt., duty paid, London. Indian, 235s. p cwt., Liverpool. Cyprus, 235s. per cwt., wharf London. DILL.—Indian, 42s. p cwt., spot, London, and 40s. per cwt., Live pool. FENNEL.—Indian, quoted at 97s. 6 to 105s. per cwt., spot. London. FEN GREEK.—Indian, 445s. per cwt., spot, Lo don, and 43s. per cwt., ex wharf, Liverpoo

SENEGA.—Old-crop material is rath easier at 11s. per lb., spot. U.S. new-cro for shipment, is also a shade easier 10s. 6d. to 11s., c.i.f.; forward, 9s. 9d. p lb., c.i.f.

SENNA.—Tinnevelly leaves, spot, No. 1s. 2d.; No. 2, 10½d.; No. 3, 9d. to 9½d.; N 4, 8½d. Tinnevelly pods, hand-picked, 10½ to 1s. 4d.; manufacturing, 6d. to 6½ Alexandrian pods, hand-picked, spot, fro 4s. 3d. to 4s. 9d., according to quality medium, 2s. 9d.; manufacturing, 1s. 9d. t 2s. per lb.

SHELLAC.—F.O.T.N. pure is easier a 265s. per cwt., ex warehouse London; F.C Standard No. 1 is quoted at 270s.; lemo No. 1 is at 320s.; lemon No. 2, 305s.; A.C Garnet, 375s., nominal; buttonlac, 325s.

SQUILL.—Quiet. Italian is quoted at 70s per cwt., spot.

TRAGACANTH.—Selected ribbon is quote at £155 per cwt.; other grades of white rib bon are available at from £120 to £125 pe cwt. Prices of lower grades are as follows Pale leaf, £60 to £80; amber leaf, £35 t £55; red leaf, £17 to £25; hoggy, £12 to £1 per cwt.

WAXES.—Dar-es-Salaam BEES' steady a 358s. per cwt., spot; shipment is at 340s. c.i.f. Lindi, spot, quoted at 345s.; forward 335s., c.i.f. Shipment quotation for Ben guela is at 320s., c.i.f. CANDELILLA.— Easier. Spot, quoted at 420s. per cwt.; forward, 400s., c.i.f. CARNAUBA.—Fatty, spot, quoted at 675s. per cwt.; shipment, 625s., c.i.f. Prime yellow is quoted at 875s., spot; shipment, 760s., c.i.f. Medium yellow, spot, 820s.; shipment, 700s., c.i.f. MONTAN. —Reibeck, steady at 390s. per cwt., spot. Czechoslovak crude, quoted at 335s., spot. OURICURI.—5 per cent. for shipment, 340s. per cwt., c.i.f.; 7 per cent., spot, 380s.; 2 per cent., quoted forward at 370s., c.i.f.; 2.2 per cent., spot, 420s.

WILD CHERRY BARK.—Thin natural, on the spot, is quoted at 1s. 6d. per lb., duty paid.

Essential and Expressed Oils

BAY.—Spot quotations for West Indian are easier at 8s. to 9s. per lb., according to quantity.

CASSIA.—Spot quotations are at from 17s. 6d. to 19s. per lb., as to quantity.

CASTOR. — Controlled prices are unchanged. Firsts, £180 per ton; seconds, £176, naked ex works.

CINNAMON LEAF.—Quotations are at from 11s. 6d. to 13s. 6d. per lb., according to quantity.

CITRONELLA.—Ceylon, on the spot, is available at prices from 7s. to 9s. per lb., as to quantity.

CLOVE.—English-distilled from buds is quoted at 11s. 6d. to 12s. per lb., according to quantity.

GERANIUM.—Bourbon is quoted at 70s. to 77s. 6d. per lb., according to quantity.

GINGER.—Quotations range from 75s. to 125s. per lb., according to quality and seller.

LAVENDER.—French (38 to 40 per cent. esters) is quoted at 47s. 6d. to 50s. per lb. Spanish (spike) is quoted at 11s. 6d. to 12s. 6d. per lb., spot.

LAVANDIN.—Spot quotations are from 11s. 6d. to 15s. 6d. per lb., according to seller.

LEMONGRASS.—Cochin is quoted at from 8s. to 10s. per lb., spot.

LIME.—West-Indian distilled oil is quoted at 35s. per lb., spot.

NEROLI.—Spot quotations are at from 87s. to 92s. per oz., according to quantity.

NUTMEG.—English-distilled oil is quoted at 53s. 6d. to 55s. per lb., spot; West-Indian distilled, to come forward, 42s. 6d. to 45s. per lb.

PALMAROSA.—Spot quotations are from 35s. to 42s. per lb., according to seller and quantity.

PIMENTO BERRY.—English distilled oil is quoted at 47s. 6d. to 57s. 6d. per lb., according to quantity and seller.

RAPESEED.—Controlled price of crude oil is £190 per ton, naked ex works.

ROSEMARY.—Spanish is quoted at 9s. to 11s. per lb, according to seller and quantity.

SANDALWOOD.—English-distilled is quoted at 70s. to 75s. per lb., according to quantity.

SASSAFRAS.—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

TURPENTINE.—Rectified (B.P.) is quoted as follows: 1 carboy, 2s. 6d. per lb.; 24 Winchester quarts, 2s. 7½d.; 17, 2s. 10½d.; 6, 3s. 2d.; 3, 3s. 4d. per lb.

VETIVERT.—Java is quoted at 135s. per lb., on the spot; Bourbon is at 180s.

YLANG YLANG.—Scarce. Quotations are in the region of 100s. per lb.

Synthetics and Isolates

A GRADUAL improvement is reported in supplies of a number of these products. Quotations are per lb. and vary according to quantity and seller. ACETOPHENONE.—10s. 6d. In good supply. AMYL ACETATE.—Very short. The price of small quantities is 2s. 6d. AMYL BENZOATE.—5s. 6d. to 6s. 6d. AMYL BUTYRATE.—7s. 6d. to 8s., nominal—no supplies. AMYL SALICYLATE.—3s. 6d. to 4s. 6d. AMYL CINNAMIC ALDEHYDE.—About 25s. Supplies improving gradually. ANISIC ALDEHYDE (AUBEPINE).—Ex paracresol, 25s.; perfumers', 32s. 6d.; ex anethole, 45s. BENZYL ACETATE.—4s. to 5s. BENZYL ALCOHOL.—Perfumers' quality, 4s. to 5s. BENZYL ISOEUGENOL.—35s. BENZYL PROPRIONATE.—No supplies. BENZYL SALICYLATE.—8s. to 9s. BORNYL ACETATE.—Liquid, 15s. BUTYRIC ACID.—Very short. 7s. 6d. CINNAMIC ALDEHYDE.—In good supply, 8s. 6d. to 9s. CINNAMIC ALCOHOL.—17s. 6d. to 18s. 6d. CITRAL.—Easier. 99-100 per cent. pure, 35s.; 95 per cent., 30s. CITRONELLOL.—Ex Java oil, 65s. COUMARIN.—Manufacturers' price, 20s. DIPHENYL METHANE.—6s. 6d. to 7s. ETHYL BENZOATE.—5s. 6d. to 6s. 6d. ETHYL PHTHALATE.—2s. to 2s. 6d. EUGENOL.—Easier. 13s. 6d. to 16s., according to quantity. In good supply. GERANIOL.—Ex palmarosa oil, 70s. lb. HELIOTROPINE.—Very short, 22s. 6d. HYDROXYCITRONELLAL. — In greatly improved supply. High-grade perfumers' quality, 120s. ISOEUGENOL. — Slightly easier at 17s. to 19s. 6d. INDOL.—(per oz.) 20s. IONONE (100 per cent.).—50s. to 52s. 6d. LINALOL.—52s. 6d. to 55s. LINALYL ACETATE.—67s. 6d. METHYL ACETOPHENONE.—12s. 6d. to 14s. METHYL ANTHRANILATE.—In fair supply, 17s. 6d. to 20s. METHYL BENZOATE.—5s. 6d. to 6s. 6d. METHYL CINNAMATE.—12s. 6d. to 14s. METHYL IONONE.—55s. to 60s. MUSK AMBRETTE.—Very scarce. MUSK KETONE.—Short at around 45s. MUSK XYLOL.—Short. Manufacturers' price, 13s. MUSTARD OIL. (artificial).—18s. 6d. to 20s. NEROLIN BROMELIA.—17s. 6d. NEROLIN YARA YARA.—9s. 6d. to 10s. 6d. PHENYLACETALDEHYDE. — 60s. PHENYL ACETIC ACID.—7s. 6d. to 8s. 6d. PHENYL ETHYL ALCOHOL.—15s. to 16s. RHODINOL.—175s. STYROLENE ACETATE.—11s. 6d. TERPINEOL (perfumers').—5s. 3d. to 5s. 9d. TERPINYL ACETATE.—12s. to 12s. 6d.

Unrefined Vegetable Oils

MINISTRY of Food prices (per ton) of unrefined oils, allocated to primary wholesalers and trade users during the five weeks ending August 2, are unchanged, and are as follows: COCONUT.—£106. PALM KERNEL.—£105 10s. COTTON SEED.—Crude, £109; washed, £112. GROUNDNUT.—£110. SESAME.—£110. PALM.—£97 15s. (c.i.f.). The rates are for bulk supplies, naked ex works.

TRADE MARKS

(*From "The Trade Marks Journal," June* 11)

"RESTATUS" with oblong "WOOLLIE WASH" in distinctive lettering (words "Woollie Wash" disclaimed); for preparations and substances (other than for use in industrial purposes) for washing woollens (3). By British Commercial Developments, Ltd., Norwich House, Southampton Place, High Holborn, London, W.C.1. 646,022 (Associated).

"SILCATEX"; for abrasive preparations and products (3). By Tex Abrasive, Ltd., 138 West Kensington Court, London, W.14. 646,219.

"COUNTRY GENTLEMAN"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, soaps and essential oils (3). By Stablond Laboratories, Ltd., 128 Baker Street, London, W. 647,323.

"REVENESCENCE"; for toilet creams and toilet lotions, none being medicated (3). By Charles of the Ritz Distributors, Ltd., 33 Bruton Street, London, W.1. 647,455.

"SCRIT"; for scouring and cleaning powders for domestic use (3). By Tomlinson & Hayward, Ltd., 51 Newland, Lincoln. 647,468.

"MARLENE"; for cosmetic toilet boxes (3). By Loewenstein & Hecht, Ltd., 69 New Oxford Street, London, W.C.1. 647,777.

"FORMIDABLE"; for bath salts, talcum powder, face powder and face creams, all being non-medicated toilet preparations; lipstick, brilliantine, hair lotions, soaps, perfumes and dentifrices (3). By Lentheric, Ltd., 17 Old Bond Street, London, W.1. 647,963.

"EARLY PEG" and "LADY'S MAID"; for soap and washing powders (3). By Kelro Chemical Co., Ltd., 23 Crabb Street, Rushden, Northants. 658,555.

"HAUGROL"; for pharmaceutical products (5). By Haugron Cientifical, S.A., Rocafort, num. 109, Barcelona, Spain. 642,497 (Associated).

"TEGEROL"; for preparations for treating blankets and bed sheets for the prevention of the spread of infection (5). By R. Lehmann & Co., Ltd., Peninsula House, Monument Street, London, E.C.3. 642,739 (Associated).

"GARDALGIN" and "MIGRALGIN"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 643,537-41.

"SURGEXA"; for bandages and surgical dressings; and cotton wool, lint, gauze and cotton tissue, all prepared for medical purposes (5). By William Q. Houlden, 330 Station Road, Bamber Bridge, Preston, Lancs. 644,267.

"MEVICAPE"; for pharmaceutical substances for human and veterinary use; sanitary substances, disinfectants and preparations for killing weeds and destroying vermin (5). By A. R. & F. McNaught and W. J. Evans, Heathbank, Hoylake Road, Moreton, Wirral, Cheshire. 645,291 (Associated).

"LILIA" and conventional design of lily; for menstruation appliances and sanitary garments (5). By Lilia, Ltd., Park Mill, Moorfield Road, Hollinwood, nr. Oldham, Lancs. 646,542 (Associated).

"ANSUN"; for pharmaceutical products (5). Ansun Proprietaries, Ltd., 49 George Str Newcastle-under-Lyme, Staffs. B646,515.

"TETRAMAC"; for vermin destroying and repell preparations and insecticides, all being for ag cultural or horticultural use (5). By Plant P tection, Ltd., Wexham Road, Slough, Buc 646,529.

"CREMOPAX"; for pharmaceutical preparations human use (5). By Stephen P. Rety, 2 T Green, Richmond, Surrey. 647,212.

"DUSSAC"; for pharmaceutical preparations a substances, but not including artificial sweet ing materials prepared for use in medicine a pharmacy and not including any goods of same description as these excluded goods (By Harry C. May, 25 Berners Street, Lond W.1. 646,931.

"NORDERMA"; for medicated preparations for in the treatment of diseases of the skin (5). Nor-Sun, Ltd., 160 Central Drive, Blackpo 647,248 (Associated).

"RECIPROSCOPE"; for optical apparatus for use conditions of low visibility (9). By Toplis Sim son & Co., Victoria Works, Midland Terra Victoria Road, London, N.W.10. 647,681.

"RHEUMALON"; for electro-therapeutic applianc for use in the treatment of rheumatism and alli complaints (10). By Percival Lyons, 164 Wi Hall, Hove, 2, Sussex. 647,900.

"MACLEANER"; for tooth-brushes for sale in t United Kingdom, and for export to Eire, t Channel Islands, the Empire of India, t Dominions, Colonies and Dependencies, and t Mandated Territories mandated to Great Brita or to any Dominion or Colony or Dependency Great Britain (21). By Macleans, Ltd., Ma leans Corner, Great West Road, Brentfor Middlesex. B647,151.

Specification No. 645,617 by Bayer Products, Ltd should be altered so as to read: "Veterina preparations for export."

(*From "The Trade Marks Journal," June* 18)

"HIOLITE"; for perfumes, toilet articles include in this class and cosmetic preparations (3). B C. Draper & Co., Fairfields, Farnham, Surre 645,732.

"SKY-MASTER"; for liquid perfumes and non-sapo aceous and non-medicated toilet preparations (3 By Nor-Sun, Ltd., 160 Central Drive, Blackpoo 645,778.

COMING EVENTS

Monday, July 7

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY Central Library, Beckenham Road, Beckenham, a 7.30 p.m. Annual meeting.

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION O WOMEN PHARMACISTS, Girls' Club, Lord Street Liverpool, at 7.30 p.m. Annual meeting.

Tuesday, July 8

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY Grand Hotel, Birmingham, at 7.45 p.m. Discussio on the constitution and educational policy of th Society opened by Mr. T. Reid (a member of th Society's Council).

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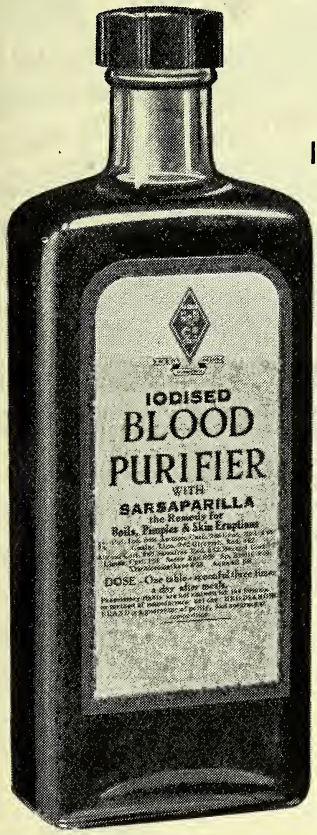

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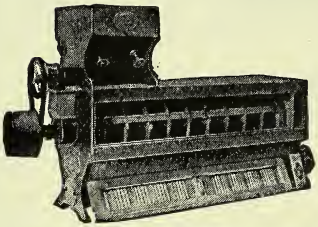

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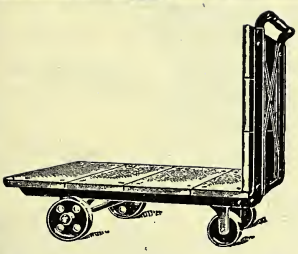

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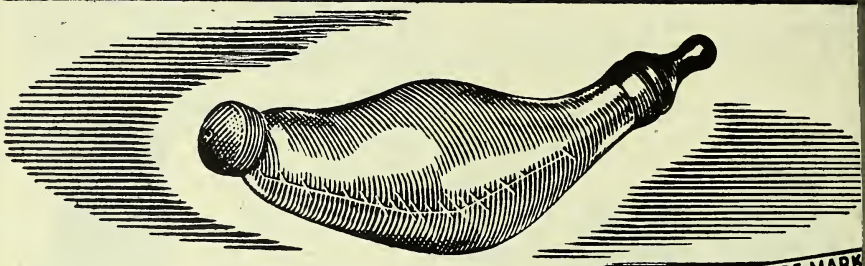

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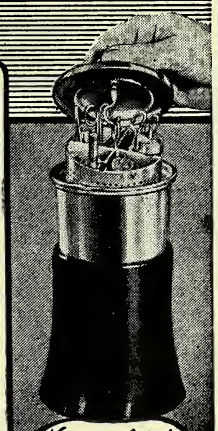

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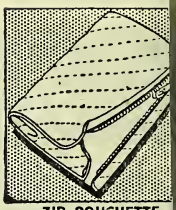
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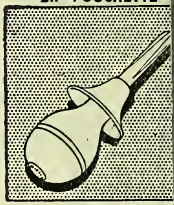
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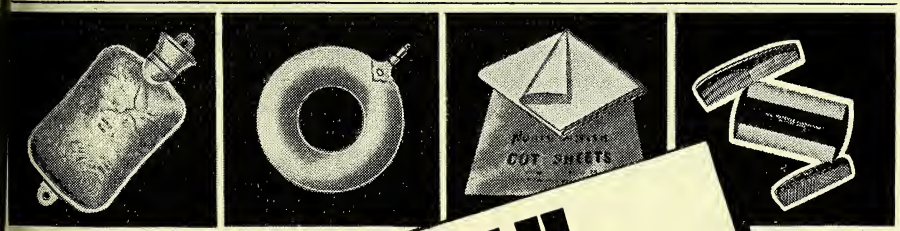

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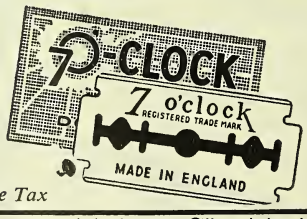

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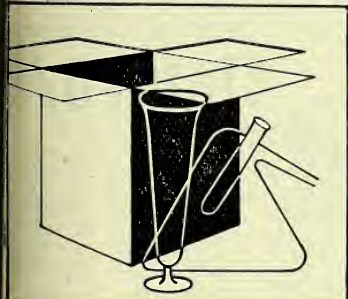

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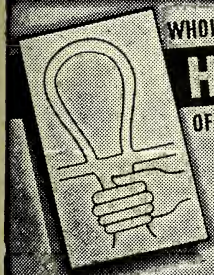

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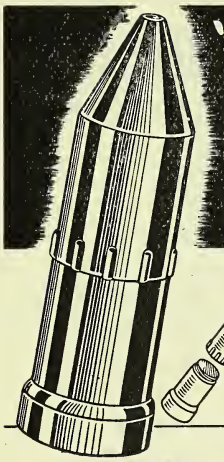

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The newspaper with the largest circulation in Northern Ireland. Read in the homes of the people throughout the whole of this important industrial and agricultural part of the UNITED KINGDOM

HEAD OFFICE: ROYAL AVENUE, BELFAST. ▫ LONDON OFFICE: 112 FLEET STREET, LONDON, E.C.4

STAINED!

For the "professional style" cleaning of DAINTY AND DELICATE FABRICS, SUITS, HATS, SATIN AND BROCADE SHOES, GLOVES, SCARVES, TIES, CARPETS, also for WINDOWS, MIRRORS, BATHS, PAINTWORK, etc., use **Solitaire Dry Cleaner.**

Solitaire Dry Cleaner is perfection itself for the cleaning of all fabrics, no matter how dainty. No chemical bleaching action. Leaves no "ring." Non-inflammable. Different from other solvents—cleans by the action of millions of tiny globules which gently carry away all dirt.

Sold in bottles price 1/9 at Grocers, Chemists, Stores, etc.

SOLITAIRE DRY CLEANER

FURMOTO CHEMICAL CO. (FACTORS) LTD.
1-3 Brixton Road, London, S.W.9

RENTOPINE DDT DISINFECTANT

Advertised extensively in the Press and Woman's Media, RENTOPINE is a guaranteed quick selling line. INCREASE YOUR TURNOVER by stocking this amazingly successful combined Germicide and Insecticide.

RENTOPINE retails at 1/- & 2/- per bottle

Write for particulars and trade terms to—

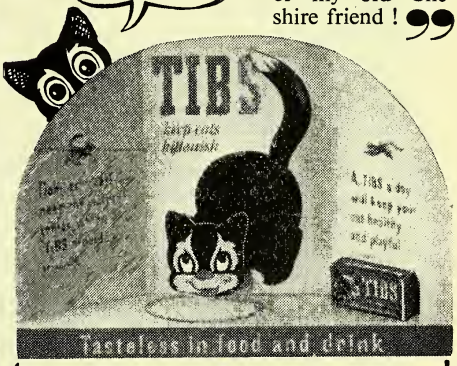
RENTOKIL LTD.

SCHOOL LANE, FETCHAM, SURREY and STOCKWELL ROAD, S.W.9

Brixton 6426/7

SAYS 'TIBS' THE KITTENISH CAT

"Claws and whiskers! That'll be the day . . . There's a tidy six million of us cats in this country—and if every cat had one 'Tibs' daily—well, you can work it out for yourself . . . That's why I'm getting busy in all the papers, teaching your less enlightened customers that "a 'Tibs' a day" is the golden rule of health for cats. To judge from results to date, the growing demand for 'Tibs' is going to do a bit of good to chemists as well as cats. Yes sir, the market is as wide as the grin of my old Cheshire friend!"



(ABOVE) *"The Cat with the Rolling Eyes." This intriguing window display shows 'Tibs,' the kittenish cat, lapping a saucer of milk. As you move your head, so the cat's eyes appear to move—with an expression of great contentment. Now ready for distribution. Full particulars of this and other clever display material from Bob Martin Ltd., Room 165, Southport, Lancashire.*

P.A.T.A.

If you use bottles and jars for packing toilet preparations, or require Emulsifiers for these goods, you will benefit by reading this booklet. A copy will be sent to you on request.

THE BRITISH SURGICAL AND DRUG CO. LTD
40 Sackville Street, London, W. I. REGent 7200

Introducing

Gay-Venture

The New **BEAUTY PREPARATIONS**

produced in our own model factory under scientifically controlled conditions. These high-class beauty preparations are already established in the world's markets, and supplies are now available in limited but regular quantities for the home market.

Range Includes:

Foundation Cream
Make-up Base
Cleansing Cream
Lipsticks
Face Powders
Etc. Etc.

Enquiries invited

NORTH WESTERN LABORATORIES LTD.

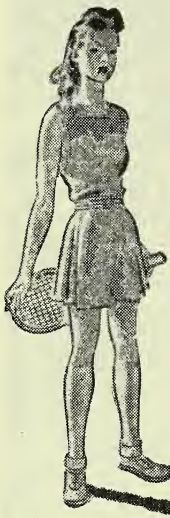
TOWNLEY LODGE, HANSON ST., MIDDLETON, LANCASHIRE

Sole Selling Agents: Gay-Venture Beauty Preparations, Ltd., 78, King Street, Manchester.

SUMMER ADVERTISING FOR VALPEDA

THE NATIONAL FOOT BALM

bigger than ever



Two reasons why the public will be asking for MORE VALPEDA—good reasons both! It does its job. It is widely and heavily advertised.

The list of papers is much too extensive for printing in this space, but here are a few.

Daily Mail	Birmingham Mail	Aderdeen Ev. Express
Daily Herald	Bristol Ev. World	Dundee Telegraph
News Chronicle	Coventry Ev. Tele.	Edinburgh Ev. News
Daily Mirror	Derby Ev. Telegraph	Picture Post
Daily Telegraph	Hull Daily Mail	Woman's Friend
News of the World	Manchester Ev. News	Woman & Home
People	Glasgow Daily Record	Woman's Illustrated
Sunday Chronicle	S. Wales Echo	Woman's Own
Sunday Dispatch	Belfast Ev. Telegraph	Woman's Weekly
ETC.	ETC.	ETC.

DAE HEALTH LABORATORIES LTD., 17 BERNERS STREET, LONDON, W.1

21 MILLION PEOPLE READ

pleasant to use

LET US SPRAY

...and kill instantly all

FLIES, MOTHS, GNATS, BUGS etc

OZOLINE·DDT

DELIGHTFUL FLORAL ODOUR·NON STAINING

From Chemists, Stores & Boots. | LARGE BOTTLE 2/2

OZONOL PRODUCT

OZOLINE ANTI-MOTH 2/6 LARGE BOTTLE
KILLS MOTHS AND LARVÆ

OZONOL LABORATORIES (1930) LTD
NEW WHARF ROAD, LONDON, N.1.

THE ABOVE IS APPEARING IN NATIONAL DAILIES, PROVINCIAL AND SUBURBAN NEWSPAPERS, AND SELECTED WOMEN'S PUBLICATIONS

OZOLINE-DDT

INSECT SPRAY
18/- per doz. 10 oz. bottles
31/- per doz. 20 oz. tins

ANTI-MOTH
20/- per doz. 10 oz. bottles
also in ½ and 1 gallon cans

Sprayers available retailing at 3/-

A PRE-WAR PRODUCT IMPROVED BY DDT.
PRODUCED BY THE MAKERS OF THE
FAMOUS OZONOL AIR PURIFIER

OZONOL PRODUCT

OZONOL LABORATORIES (1930) LTD
NEW WHARF ROAD, LONDON, N.1.

EXTRACTS

FOR ALL PURPOSES

* * * *

CONCENTRATED NON-ALCOHOLIC SOFT EXTRACTS FOR MAKING INFUSIONS · DECOCTIONS · TINCTURES · LIQUID EXTRACTS · ETC.

* * * *

MEDICINAL RESINS · OLEO · RESINS · RESINOIDS · TINCTURES

RANSOM'S

SPECIALLY PREPARED

SOLUBLE EXTRACTS

PRESENT THE FOLLOWING ADVANTAGES

These extracts are readily soluble and the resulting solutions need no filtration

They contain no spirit

Occupying less volume than the corresponding liquid product they economise in freight space

They were first put on the market by ourselves

DRUGS GROWN ON OUR OWN FARM INCLUDE

BELLADONNA HENBANE FOXGLOVE

CHAMOMILE LAVENDER

PEPPERMINT COLCHICUM VALERIAN

ESTABLISHED 1846

WILLIAM RANSOM & SON LTD.

Growers of medicinal plants for over a century

Hitchin Hertfordshire England

Standing up to hard work . . .

The harder work the Government is demanding of us is bound to put a great strain on everybody's feet. This is your big chance to come to the rescue with scientific relief.

In the coming months, people will be asking you constantly for advice about this or that foot trouble. Scholl Foot Aids will assist you to give exact and most effective advice about every foot complaint from a soft corn to a sore heel. There are over 100 Scholl Aids, each carefully formulated to relieve a specific foot ailment. Each is laboratory tested and designed to bring quick relief and correction.

Do not be content with casual displays. Always have a foot-comfort counter in your pharmacy, and feature Scholl Foot Aids while the need is at its height. Write to us for a price list.

★ **Revised Trade Prices—July 1st 1947**

Have you received your copy of our "Confidential Trade Price List", showing revised prices effective 1st July 1947? If not write for one to-day.

THE SCHOLL MANUFACTURING CO. LTD. 182-204 ST. JOHN STREET, LONDON, EC1

WYLIE'S

Abrasive

HAND SOAP

It's QUICK—
It's GOOD!

INVALUABLE IN THESE DAYS OF SOAP SHORTAGE

This is the scarlet and pink tin that catches the customer's eye — outstanding on your shelf, compelling in its attractiveness; WYLIE'S Abrasive HAND SOAP is kind to sensitive skins, it cleans and protects hands, making them soft and supple while gently removing grime. No grit, acid or caustic. A quality line worthy of warm recommendation. Write us now for full details.

NO COUPONS 1/6 IN THE PINK AND RED TIN

WYLIE'S CLEANSERS LTD., 12 DARTMOUTH STREET, LONDON, S.W.1

Tintex

THE WORLD'S LARGEST-SELLING HOME DYE

B. B.

TESTED INSECTICIDES

The makers of B. B. Insecticides offer 2 quick selling lines for 1947

- **3 WAY ACTION D.D.T. INSECTICIDE POWDER**
  ATTRACTIVE PACK
  APPROX. 4 OZ. SPRINKLER DRUM
  SHOWS 40% PROFIT. Retails . . 1/3
- **B. B. BRAND D.D.T. FLY PAPERS**
  THE SEASON'S BEST SELLER
  Owing to improved methods of deep impregnation we are able to retail at **2d. each.** Cost per gross . . 16/-

Trade Discounts Unchanged. Size Maintained

ORDER NOW For Immediate Delivery *(Samples on Request)*

HOME and EXPORT

Enquiries to – J. GOODMAN (Chemicals Ltd.) Devonshire Mews, Chiswick, W. 4.
or direct to—B.B. Insecticides, 12a Osborne Mews, St. Leonards Road, Windsor, Berks.

When this appears —

7,505,192 *will react..*

And that is only ONE shot in the 1947 SPRIM campaign. The SPRIM story will be displayed 237 million times this year through the National Press and selected Women's journals. Watch SPRIM sales soar when the nylons arrive! Sparkling pale-blue SPRIM dresses up your displays, sells on sight . . . and keeps selling on quality. Make sure of YOUR quota now. Write to :— BRITISH DISINFECTANT CO., LTD., TOTTENHAM, N.15.

THE FIRST D. D. T. FLY PAPER WAS PRODUCED IN THE LABORATORIES OF JAMES COX & CO.

Cox's D.D.T. FLY & MOTH PAPERS ARE GUARANTEED 100% IMPREGNATION AND TWO YEAR LIFE NOT JUST A SURFACE COATED PAPER

FLIES DIE IN 5-15 minutes

Send postcard for samples and terms to JAMES COX & CO Manufacturing Chemists

HYGIENIC ECONOMICAL

IS SOFT SOFTER

SOFTEX

TOILET TISSUE

Extra thin, pure strong quality.

SWAN MILL PAPER CO. LTD.
92 REGENT STREET, LONDON, W.1
Telephone: REGent 0422/3

T 10

TRADE MARK

SAN-MEX

REGD.

Quality disinfectants

Six best sellers!

Unfortunately they sell too fast for us to meet the huge demand — but we are doing all we can to help you.

Trade enquiries to Sole Manufacturers:—

The BRITISH PRODUCTS SAN-MEX Co., Ltd.

SAN-MEX CHEMICAL WORKS, ST. ANDREWS SQ., GLASGOW, C.1

Wrens (PTY) LTD

THE CHEMISTS

P.O. BOX 1689 JOHANNESBURG

SOUTH AFRICA

Sole Distributors and Stockists for REVLON EXPORT Corp., NEW YORK, also VIV Pharmaceuticals Ltd., WINCHESTER, England, etc.

SEEK REPRESENTATION for non-competitive Agencies in TOILET, PATENTED and PROPRIETORY PREPARATIONS for the UNION of SOUTH AFRICA,

Northern & Southern Rhodesia, Portuguese East Africa, S.W. Africa and Nyassaland.

For all our Purchases cash payments in London

LABELS OF DISTINCTION

For Wholesale Manufacturing & Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

Send for our extensive sample range

CARILLON PRESS LTD

Artists in the Production of Fine Labels

BOURNEMOUTH

SOUND STANLAST SELLERS

We invite your enquiries for any quantity of the above. Also Stanlast Crepe Bandages, Packed Pharmaceuticals and Tablets and Pills of every description.

PROFITS

STANNING PROPRIETARIES LTD

32 ST. JAMES'S STREET, LONDON, S.W.1

ASMIDAR SPECIALITIES

at present available

PIPERAZINE (Asmidar)
Effervescent Granules
A uric acid solvent—3 oz. size.

GLUTONINE (Asmidar)
Strychnine Gluconate — Gives prolonged action with decreased toxicity.
Boxes 8 x 1 c.c. ampoules 0·002, 0·0035, 0·005 gm.

SULPHAZOL CREAM (Asmidar)
Containing 5% Sulphathiazole in non-greasy base. Indicated in cases of Impetigo and coccal infections.
Size—¾ oz. Tubes.

ASMIDAR ANTI-RHEUMATIC OINTMENT
Non Greasy Non Staining Analgesic
Size—¾ oz. Tubes.

ICHTHAMMOL B.P.
With high organically combined sulphur content.

Literature and fuller information on these Preparations can be supplied on request.

ASMIDAR LTD.
14 DOUGLAS STREET, LONDON, S.W.1
(Telephone: Victoria 5556)

An advance in
Asthma
medication

Respaton
TABLETS

Indication

Respaton Tablets are specially indicated for the speedy relief of Asthma, Bronchial Asthma, Bronchitis, Emphysema and cognate ailments.

Action

Respaton Tablets are: Antispasmodic, Antipyretic, Analgesic, Sedative.

Formula

Ephedrine Hydrochloride ...	¼	*grain*
Ext. Bellad. Sicc. B.P. ...	1/10	,,
Dioxyamidopyrine	½	,,
Ipecac. Pulverat. B.P. ...	½	,,
Theobromine	⅔	,,
Calcium Lactate	⅜	,,
Lactose	⅜	,,

Respaton Tablets are now being introduced to the Medical Profession. Chemists would be well advised to lay in a small stock in anticipation of prescriptions.

In Bottles 25 tablets 3/11½d.; 100 tablets 14/1d., inc. P.T. Usual trade terms.

MEDICAL SPECIFICS LTD.
West India House
Maryland Street, Liverpool, 1.

MERCOLIZED WAX

Although supplies are strictly limited, every chemist and wholesaler who purchased direct from us in the basic period will receive a quota in proportion.

CLYNOL BERRIES for OBESITY

however are available to all.

Please send your enquiries to our distributors :—

POTTER & MOORE, LTD.
Lavender House,
Seymour Road,
LEYTON, E.10

DEARBORN (1923) LTD.

" Kern House," 36/38 Kingsway, London, W.C.2

Leda

D·D·T

LIQUID SPRAY

Specially prepared for Household use.
NON-INFLAMMABLE, NON-POISONOUS, NON-STAINING.

Ready for immediate use. Full directions on each container. Also in Powder Form.

Samples and prices available to Wholesalers from Manufacturers.

LEDA CHEMICALS LTD.
LONDON, N.19
ARC. 4877

Sole Agents for Scotland :—
SOUTHERN MANUFACTURING CO. LTD.
187 St. Vincent Street, Glasgow, C.2

Sole Agents for N. Ireland :—
WHYTE, REID & MITCHELL, LTD.
61/63 Donegall Pass, Belfast

'Treetop'

A pleasant 'pine' disinfectant with a clean antiseptic smell and a top ranking Rideal Walker co-efficient, 4 to 5 times as efficient as pure carbolic acid.

—★—

You can recommend TREETOP with complete confidence for both personal and household use. Every batch is tested. . . .
TREETOP TOPS ALL

Deb CHEMICAL PROPRIETARIES LT
FOREAR WORKS, BELPER

Asthma

Dō-Dō
TABLETS

ONE often gives relief in 30 seconds

REGISTERED TRADE MARK
DŌ-DŌ
BRAND TABLETS
RELIEVE ASTHMA
CONTENTS 25 TABLETS

So'e Manufacturers:
INTERNATIONAL LABORATORIES Ltd.
1-3 Smed'ey St., London, S.W.8
MACaulay 3481

THOS. CHRISTY & COMPANY LIMITED

ANNOUNCE—

It is with pleasure that we inform our customers that the International Foot Appliances, Ltd., have, from July 1st, appointed us distributors for their product,

OMNIPED ELASTIC FOOT CUSHION

We have ample stocks and any enquiries will be attended to immediately.

EDME
"Autumn Sun"
EXTRACT OF MALT WITH COD LIVER OIL

Display
THIS SHOWCARD

and get your shar
of extra custom.

This attractive Show Card in Full Colo
(only 9½ × 8½ inches) needs no strutting or fix
a 1 lb. jar in the centre of stand makes a ri
display. Placed on the Counter or in the Wind
It compels attention and creates sales.

EDME "AUTUMN SUN" is a Malt and
of supreme quality, manufactured from the fin
Barley Malt and Cod Liver Oil obtainable.

National Advertising during the Win
months will bring increased trade to the Ph
macies that stock EDME "AUTUMN SUN."
(On P.A.T.A. list)

For particulars and prices write to:—

EDME LIMITED · IMPERIAL HOUSE, REGENT ST, LONDON W.1
TELEPHONE REGENT 5563-4

A crying shame!

There are more fretful babies today, because there is less Nurse Harvey's available due to the bottle shortage. Let us know if you are not getting your fair share.

Baby's next best friend..

O. SCRUTON & CO. LTD., BARKER LANE, YORK

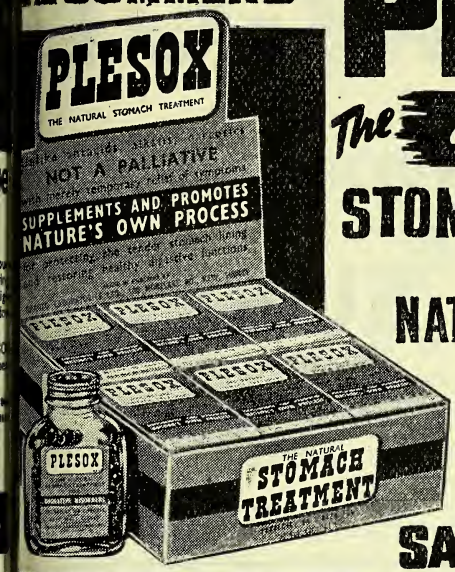
NURSE HARVEY'S MIXTURE

for seven good reasons

(1) Made from best Latex obtainable.
(2) Available normal and anti-colic shapes.
(3) Hygienic and attractive individual packing.
(4) Seamless construction.
(5) Transparent.
(6) Stand repeated sterilization.
(7) Fit any size bottle.

GROVEWELL
FEED TEATS & VALVE
Grovewell soothers are also now available.
Wholesale only supplied
656, Forest Road, Walthamstow, London,

RECOMMEND PLESOX



The DIFFERENT STOMACH TREATMENT

WITH

NATION-WIDE ADVERTISING
ATTRACTIVE WINDOW DISPLAY
RECOMMENDATION OF SATISFIED USERS

ARRESTING WINDOW SEALS
CONVINCING LITERATURE

50% PROFIT ON OUTLAY

A large proportion of all stomach sufferers, and most long-standing cases do not respond well to alkaline or antacid products and call for **A SAFE RELIABLE REMEDY ON SOME QUITE *DIFFERENT* PRINCIPLE. *As* THEY NEED IT, SOONER OR LATER**—whether in your shop or elsewhere—SUFFERERS WILL DISCOVER **PLESOX**—and become satisfied users.

WHY LOSE such grateful customers with their constant repeat orders and recommendations to others.

Order now at **23/-** mixed display cartons (8 small 4 medium)

SHOWING 50% PROFIT ON OUTLAY.

Retail Prices: **2/3d** plus **3d** P. Tax. **4/1½** plus **5½d** P. Tax. **6/9d** plus **9d** P. Tax.

Distributors for GREAT BRITAIN: **SPLENDOR LIMITED, NOTTINGHAM.**

MANUFACTURERS: GRANTO LABORATORIES LTD., 1 PARKSHOT, RICHMOND, SURREY

LACTAGOL

for

EXPECTANT AND NURSING MOTHER

IS AGAIN

IN FULL SUPPLY

★ *Wholesalers are now fully stocked and can supply your immediate needs on demand*

E. T. PEARSON & CO. LTD. (Sole Selling Agents for LACTAGOL LTD
LONDON ROAD, MITCHAM, SURREY

DR. KNOX'S . . .

ANTISEPTIC SMELLING SALTS

"RENOIDS"

(Dr. Knox's Back & Kidney Pills)

Both available in display outers of ONE DOZEN

Retail - - 1/3
including Tax

Trade - - 9/-
per doz. + 16⅔%

Samples—Enquiries

JOHN KNOX

(STOKE-ON-TRENT) LTD. Jaynox Works, King Street, Fenton, Stoke-on-Trent
(MIDLAND) LTD. 36/38 Dean Street, Birmingham, 5.

STAFFORD MILLER LIMITE
WELWYN GARDEN CITY, HERTS

ANNOUNCE NEW TRADE AND RETAIL PRICES FOR

ORLEX

The famous compound fo restoring colour to grey hair

TRADE PRICE	RETAIL PRICE
24/ DOZ.	4/7½
PLUS 100% P.T.	INC. P.T.

Sole Distributors

SPLENDOR LTD.
NOTTINGHAM

GOOD PRODUCTS

GOOD DESIGNS

GOOD DISPLAYS

GOOD SALES

GOOD PROFITS

GOOD SERVICE

Stannard's

. . . sell on Display, repeat on Merit !

TERMS			INCLUDING PURCHASE TAX		MINIMUM QUANTITY
ICEBALM	Retail	1/5	Trade 11/8	Per doz.	In 3 doz. Display unit.
ROSELIP	,,	1/6	,, 12/8	,,	,, 3 doz. ,, ,,
SWEETBREATHS	,,	9d	,, 5/10	,,	,, 3 doz. ,, ,,
,,	,,	1/5	,, 11/1	,,	,, 1½ doz. ,, ,,
THROATMINTS	,,	8d	,, 5/10	,,	,, 3 doz. ,, ,,
ICEIT	,,	1/5	,, 9/11	,,	,, 3 doz. ,, ,,
KOFFS	,,	8d	,, 5/10	,,	,, 3 doz. ,, ,,
,,	,,	1/3	,, 10/6	,,	,, 1 doz. ,, ,,

The name of 'Stannards' is synonymous with supreme quality and superb packaging, our products having achieved an unexcelled dignity of presentation which has persisted for many years. Today, the well deserved world-wide reputation enjoyed by these products, not only respects that achievement but enhances it. 'Sell on display — repeat on merit' has been a sound maxim.

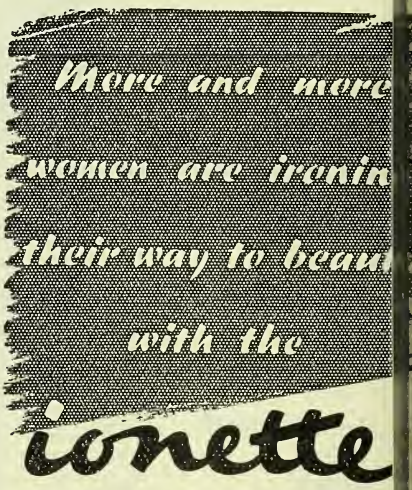
A. E. STANNARD LTD • TADWORTH • SURREY • ENGLAND

Dettol
BRAND
Ointment

Effectively bactericidal yet non-irritant; emollient and penetrative: combining these qualities 'Dettol' Ointment (*P*-chlor-*m*-xylenol and other active principles of 'Dettol') is ideally adapted to the treatment of septic conditions of the skin.

Packed in 1-lb. and 7-lb. jars for Hospital and Surgery use.

RECKITT AND COLMAN LTD, HULL AND LONDON
(PHARMACEUTICAL DEPT., HULL)



Supplies of this first class Beauty Iron ar
readily available to chemists and store
handling only high quality specialities

C.194 PRODUCTS LTD., 35 PARKGATE RD S

An Authoritative Statement on Toilet Papers

THAT good toilet papers are in short supply today is only too common knowledge. The reasons why production does not catch up with demand are not so apparent.

As the actual manufacturers of fine toilet papers we are in the position to state that it is mainly due to the shortage of *suitable* raw material. Paper can of course be made from any grade of "scrap" but the types of material suitable for our Toilet papers are strictly limited.

Hence we are compelled for the time being to ration supplies to all customers and to refuse with regret many orders of flattering dimensions.

But we are hopeful that the position will improve and enable us to satisfy all customers both old and new.

These are the products of St. Andrew Mills

		Retail Price
ANDREX	The softest Toilet Tissue known made entirely from purest pulp. Note—the whole production of Andrex goes to the home market —none is exported.	1/-
ANDROL	For those who prefer a glazed paper.	1/-
STANEX	Absorbent unglazed paper not harsh or bulky crepe.	10½d.
MARVO		9d.
SAMARITAN		7d.

Prices are subject to alteration without notice.

Wholesale only

ST. ANDREW MILLS LIMITED

LARKSWOOD · 1014 · 5 · 6 WALTHAMSTOW · E · 17

The Demand is in the DESIGN

Extensive National Advertising in the Press and Wom Magazines is creating national demand for the "Mod Teat. Used and recommended by Nursing and Me Authorities for its new anti-colic design—neares natural feeding. Supply pos easier. Stock up now. Obtain from wholesalers only. Retail Selling Price 6d.

Used and recommended by MATERNITY HOSPITALS DOCTORS, NURSES and WELFARE CENTRES.

The "MODERN" ANTI-COLIC TEAT

P.A.T.A. THE CANNON RUBBER MANUFACTURERS LTD, LONDON

To REMIND YOU

SUPPLIES OF THE NEW INSECTICIDE

BRETTS DDT GEIGY.

ARE NOW AVAILABLE.

SEND A POSTCARD NOW

PRICE 10/- PER DOZEN

1/3 SPRINKLER BOX

Manufactured by

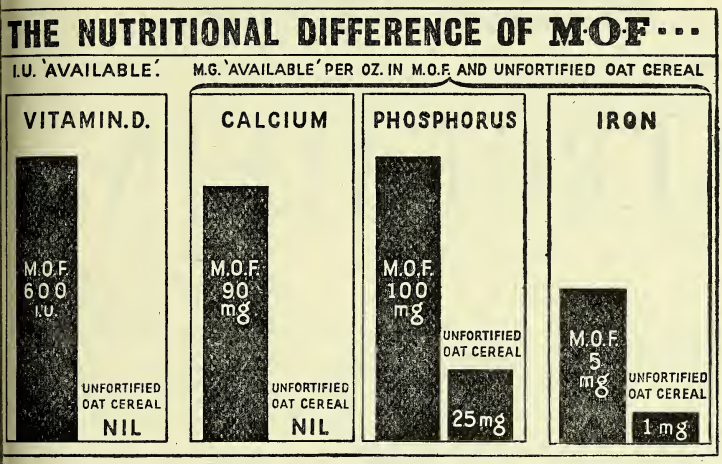
Dr BRETTS LABORATORIES • SALFORD •

LINK UP wit THIS BIG CAMPAIG

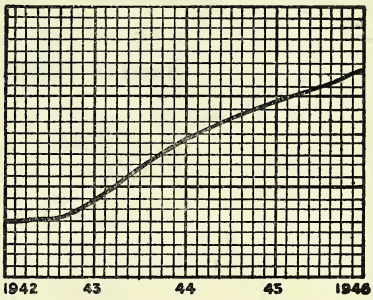
Vigorous Press and Poster Advertisin putting VITAL FORCE over in a big Take a share of this profitable business. L send Display material and Showcards (in colour), together with handsome te Retails at 3/9d.

MACLENNAN PRODUCTS L 9, MONTRELL ROAD, LONDON, S.W.

This is why M·O·F sales



—did this



FOUR years ago, M.O.F. was practically unknown in England and Wales. Here is graphic evidence of the growing acceptance of the product. The real secret of the success of M.O.F. is that the product is in keeping with the modern trend in infant feeding. Doctors and chemists recommend it because they have faith in its composition and high nutritional value. As the present trend in infant feeding grows, so will the sales of M.O.F.

MOF

THE FORTIFIED INFANT CEREAL FOOD

MIDLOTHIAN OAT FOOD—PREPARED BY A. & R. SCOTT LTD., WEST MILLS, COLINTON, MIDLOTHIAN

SEROCALCIN

for the prevention and treatment of COLDS

THE DEMAND FOR THIS SUCCESSFUL AND MUCH PUBLICISED PREPARATION IS ENORMOUS

P.A.T.A.

ALL PHARMACISTS ARE REMINDED THAT ORDERS AND ENQUIRIES FOR SEROCALCIN SHOULD NOW BE ADDRESSED TO J. C. ENO, LTD., WATFORD, HERTS. Telephone: WATFORD 7761

HARWOODS LABORATORIES LTD., WATFORD, HERTS

The
CHEMIST AND DRUGGIST SUPPLEMENT

is Supplement is in-rted in every copy of eChemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JULY 5
1947

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RETAIL (HOME)

LLEN & HANBURYS, LTD., require the ser- vices of two pharmacists. Canteen. Living ommodation available for one bachelor pharma- . Apply Allen & Hanburys, Ltd., 7 Vere Street, 1. (Mayfair 2216).

N opportunity will shortly present itself for a qualified manager and three assistants, qualified unqualified. The situation will carry salary and mission and there is the guarantee of comfort- e working conditions. 1/197, C. & D. Office.

N unqualified assistant, M. or F., mainly for dis- pensing. A. C. Cannon, 31 Boscawen Street, ro, Cornwall.

EDFORD. Qualified manager or manageress. Congenial post, permanency. Apply, giving full ticulars, to Taylor, Brawn & Flood, Ltd., 71 h Street, Bedford.

BOOTS the chemists invite applications from qualified assistants, male and female (particularly those who have recently completed their course of study), and from fully trained unqualified assistants under 35 years of age. Applications, stating age, experience, district preferred, etc., to Retail Staff Department, Station Street, Nottingham.

CHEMISTS. — Applications are invited from qualified chemists, male or female (with or without optical qualifications) to manage pharmacy branches in various parts of Scotland. Good wages and conditions. Successful applicants will be considered for entry into the superannuation fund after an initial period of service. Interviews will be arranged at points most convenient to applicants. Apply in writing giving full particulars including age, experience, etc., to The Technical Supervisor, Scottish Co-operative Wholesale Society, Ltd., 187 Bogmoor Road, Spieldhall, Glasgow, S.W.1.

COVENTRY. Capable young pharmacist, willing to assist and co-operate with manager, needed for fair-sized business (staff 8). Good salary, permanency and excellent prospects for man of industry and integrity. Reasonable hours, good conditions. Accommodation for single can be obtained, and later on possibly for married. 1/296, C. & D. Office.

DISPENSER-Bookkeeper wanted. Mixed general practice, country area. West Suffolk. Accommodation at surgery. Weekly half day and week-ends. 1/264, C. & D. Office.

E. B. DUNN (Chemists), Ltd., require an experienced lady assistant for toilet and general sales counter. Hours 9 to 6. Permanency. Usual particulars, please. 22 Sandy Park Road, Bristol, 4.

ENFIELD, North London. Pharmacist required to manage good class family business in Enfield district. Scope for development. Good salary offered to competent man. No living accommodation. Apply 1/207, C. & D. Office.

HEPPELLS, Chemists, require several unqualified male assistants for their West End branches. Good dispensing and high-class pharmaceutical experience essential. Saturday half day. Please apply: Superintendent Chemist, Heppells (1932) Ltd., 70 Vauxhall Bridge Road, London, S.W.1. 'Phone: Victoria 2204.

LADY dispenser-receptionist wanted for duties at second surgery by firm of South London medical practitioners. No Sunday duty and one half day off per week. Apply in first instance with particulars and salary expected to 42 Streatham Hill, S.W.2.

LADY Pharmacist required as Manageress of good class West End Pharmacy, mainly counter work, congenial post. Also part-time lady pharmacist required. Please apply: Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1. 'Phone Victoria 2204.

LONDON, S.E., with living accommodation. Vacancy for qualified branch manager in October or November. Unfurnished flat available now for suitable applicant. Good opportunity for energetic young man. Give full particulars and salary required. Frank Leslie, 25 Catford Broadway, London, S.E.6.

LONDON, W.11. Experienced pharmacist urgently required to manage a busy working class pharmacy in West London. Brisk counter and health insurance dispensing. Good salary. Living accommodation available nearby. Apply 1/205, C. & D. Office.

MID-SUSSEX. Qualified manager required July as locum with view to permanency. Full details to 1/181, C. & D. Office. Suitable for resident near London or Brighton area, willing to travel pending local accommodation. Married man preferred.

NEWPORT — South Wales. Qualified chemist, lady or gentleman, required for permanent relief duties, full or part time. Applications to Mr. G. Morris, District Manager, Messrs. Timothy Whites & Taylors, Ltd., 92 Commercial Street, Newport.

NORTH London. Capable man or woman required to manage a drug store in North London, must be experienced in the chemist business and able to maintain high class appearance and trade. Write 1/209, C. & D. Office.

ORRIDGE & COMPANY Employment Agency, 184 Strand, W.C.2. Temple Bar 9212/3. Branches at Southampton and Birmingham. Enquiries invited from all employers seeking staff. Many pharmacists and unqualified assistants available for retail and wholesale. Representatives also requiring situations. Reasonable terms. Write to Columbia House for particulars.

POPLAR. Manager, qualified, required for busy pharmacy in Poplar. Good salary offered to energetic man with experience. Permanency with good prospects. Apply 1/208, C. & D. Office.

PORTSEA Island Co-operative Chemists, Ltd., require qualified pharmacy branch managers. Permanency, excellent prospects. Superannuation fund and T.U. conditions. Small flat available. Applications in writing, stating age, qualifications and experience, and salary required to the Executive Officer, 110 Fratton Road, Portsmouth. Endorse envelopes "Pharmacist."

PHARMACIST, manager or assistant, lady or gent. Suitable applicant wishing to do so could purchase a financial interest or acquire same without capital. Splendid opportunity for advancement. E. Fisher's, Ltd., Melton Mowbray.

REQUIRED, junior assistant for high class family dispensing chemist. Used to stock-keeping and counter. Harrogate, Yorks. 1/272, C. & D. Office.

ROCHDALE Equitable Pioneers' Society, Ltd., require a qualified assistant, male or female, for their Central Pharmacy. Applications, with full particulars and endorsed "Pharmacy," should be addressed to the General Manager, R.E.P.S., Ltd., Toad Lane, Rochdale.

SALESWOMAN (experienced) required for drugs and toilet goods by Gamages of Holborn. Apply personally, or in writing, to the Staff Manager, stating age, experience and salary required. Store hours 9 a.m. to 5 p.m. Saturdays 9 a.m. to 1 p.m.

SENIOR assistant, qualified, with good dispensing, general experience and initiative. Capable of accepting control in absence of Superintendent. Applications with copy references and salary required to the Secretary, Co-operative Society, Ltd., Ashton-under-Lyne.

SMART boy wanted to learn photographic apparatus sales. Must be of good appearance. Salary small while training, but good prospects for a bright lad. Wallace Heaton, Ltd., 127 New Bond St., W.1.

SOUTH KENSINGTON: Vacancy for unqualified lady to take charge of stock and relieve at counter. Stickland & Co., 41 Thurloe Street, S.W.7. (Ken 4186).

TIMOTHY WHITES & TAYLORS, LTD. applications from pharmacists, ladies or men, who wish to take up posts as permanent managers. Excellent progressive salaries, scheme, vacancies in Lancashire, Yorkshire lands (Birmingham area) and Scotland. Phar also required for holiday relief duties, long periods. Convenient interviews arranged. A tions giving full particulars to T.G.M., T Whites & Taylors, Ltd., Burley Hill, Leeds, have prompt attention.

TWO unqualified assistants required (m female), one to work in dispensary with fied, one for counter, windows, etc. Good permanent positions; three qualified on staff. & Jackson, Ltd., Hereford.

QUALIFIED Chemist required for S.W. I medium class family business. Unfurnish available. Full particulars to 1/218, C. & D.

TIMOTHY Whites & Taylors have vacan experienced unqualified assistants, m female, in Greater London and the South land. Permanent appointment offered, goo ditions. Apply by letter to Retail Staff M 70 Vauxhall Bridge Road, London, S.W.1.

VICTORIA. Branch manager required fo class pharmacy, within 10 minutes of Station. Permanent appointment. Good Saturday half day. Apply 1/206, C. & D. C

WANTED immediately, qualified chemi cian. Apply, giving age, copies of testi and salary required to Battles, Ltd., Lincoln.

WANTED manager for branch pharmacy or female. Good prospects for suitable cant. Superannuation scheme in operation. cations stating age, experience, etc., Secretary, Heckmondwike and District Co tive Society, Ltd., 3 Oak Street, Heckmond

WINCHESTER. — Pharmacist required August as manager for good-class busi pleasant district. Recent experience essentia Sunday or half-day duty. Living accommoda present doubtful. Full particulars and when a to Murray and McConachie, Limited, 1 City Winchester.

YOUNG unqualified assistant required, and dispensing. Pleasant family business particulars in first letter to George Crawford, ist, Station Road, Horley, Surrey.

LOCUMS WANTED

LADY dispenser (Hall) requires locum wor end of July, hospitals preferred. Seven hospital experience. Would consider perma Please state particulars. 1/279, C. & D. Off

LOCUM required July 21 to August 2. Qu Exceptionally light duties. Suit elderly tired pharmacist. Fully experienced staff. remuneration. Nicoll, The Bridgnorth Pha Shropshire.

LOCUM assistant pharmacist required diately by Middlesex County Council for Middlesex County Hospital, Park Royal, N for holiday relief duty for several months. according to experience up to £8 13s. per w clusive. Apply at once to Medical Directo forms (quoting C. 174 CD).

QUALIFIED locum required commencing 28, for eight weeks. 44-hour week, light generous terms. Apply immediately to Peterb Co-operative Chemists, Ltd., Park Road, borough or 'phone Peterborough 2271.

WANTED, Locum, period Saturday, July to August 30th inclusive. All or part period. Also September 15th to 20th inclusive operative Society, Ltd., Ashton-under-Lyne.

WHOLESALE

FEW SALESMEN of outstanding ability are required by a new British company manufac- ethical pharmaceuticals, the products of a ch foundation whose work is arousing world- medical interest. The position offers a good , expenses and bonus, with sound prospects for cement to men of the required calibre and y to carry interviews successfully at all levels of edical profession and the retail trade. Sales- whose achievements qualify them for considera- should apply stating age, whether married, ation, experience, enclosing a recent photo- to Managing Director, 1/262, C. & D. Office.

APTABLE and willing unqualified assistant (woman) required by ethical manufacturing ists, Central London, for interesting clerical Knowledge pharmaceutical trade, typewriting ood arithmetic desired. Shorthand useful but ssential. Pension scheme. Five-day week. s about £6. Write to Box 1/291. C. & D. e.

SISTANT required for routine analysis of phar- aceuticals in the analytical laboratory of C. R. er, Stagg & Morgan, Ltd., Emmott Street, on, E.1. Apply stating experience and wages red.

SISTANT to director required by firm of anufacturing chemists, London. Opportunity een man aged 27-35, able to deal with queries experience of buying raw materials and con- s, checking advertising copy, etc. Apply with details of previous experience, present salary, in confidence to 1/241, C. & D. Office.

EMIST experienced in making high-class cos- etics and perfumes required at once by well- n manufacturers South Wales. Full details to , C. & D. Office.

PERIENCED analyst required mainly for lkaloidal assays and assays of B.P. preparations ally. Salary according to experience and fications. Write in the first instance giving full ls of career to Carnegie Chemicals (Welwyn), Welwyn Garden City.

PERIENCED salesman or woman (car owner) required for Devon and Cornwall—possibly territory—also Middlesex, Bucks, Berks, Oxon Herts, to call on chemists, haberdashery depart- s, stores, etc., commencing July 14. Either nission and salary or commission only. Terri- s extensively covered with live accounts. 1/276, D. Office.

DUSTRIAL chemist or assistant chemist know- dge of gelatine capsule manufacturing required progressive firm. Capable of controlling young le labour. Modern factory. Well equipped atory. Manchester area. 1/286, C. & D. Office.

DY assistant required for herbal department of health stores. Essex coast town. Knowledge of tics an advantage. Good prospects for capable n. 43-hour week. Box No. 1/295, C. & D. e.

ANUFACTURING chemists require first-class representative for Derbyshire, Notts, Lincoln- , Leicestershire and Rutland. Permanent er for man of experience, knowledge and ability, alary, commission and expenses. Apply in writ- giving full details of career to date. We regret cannot accept incomplete applications. 1/265, D. Office.

ANUFACTURING chemists require first-class representative for Warwick, Worcester, North- Hunts. Permanent career for man of exper- , knowledge and ability, on salary, commission expenses. Apply in writing giving full details reer to date. We regret we cannot accept in- plete applications. 1/266, C. & D. Office.

ANUFACTURING chemists in North London require woman pharmacist as second assistant he dispensing and light manufacturing depart- t. Salary according to age and experience. Write 552, Dorland, 18 Regent Street, S.W.1.

MANUFACTURING chemists require a first-class representative for Yorkshire and East and West Ridings. Permanent career for man of experience, knowledge and ability on salary, commission and expenses. Apply in writing giving full details of career to date. We regret incomplete applications cannot be accepted. 1/283, C. & D. Office.

MANUFACTURING chemists require first-class representative for Anglesey, Carnarvon, Flint, Merioneth, Montgomery, Cheshire, Staffordshire and Shropshire. Permanent career for man of experience, knowledge and ability, on salary, commission and expenses. Apply in writing giving full details of career to date. We regret we cannot accept incomplete applications. 1/284, C. & D. Office.

MANUFACTURING Chemists, N.W. London, require the services of an energetic and experienced pill maker capable of taking control. Write, giving details of age, experience and salary required. Box 1/293, C. & D. Office.

MORGAN, KORDA & CO., LTD., of 9 Great Pulteney Street, London, W.1, importers of bone and skin, glue and gelatine, require agents in some districts. A strong connection with users and merchants essential. Write with full particulars and reference.

OLD-ESTABLISHED London firm wholesale chemists' sundriesmen require representatives having live connections chemists, hairdressers, druggists, stores, Co-ops; commission basis. Car advantage but not essential. Write, stating area of representation, details, etc., James Hardcastle & Co., 20 High Holborn, W.C.1.

PUBLICITY. Pharmacist (male) required as personal assistant to publicity manager. This is an outstanding oportunity for a young man wishing to enter upon a permanent career in commercial publicity. The position has excellent prospects for the right man. Apply initially in writing, quoting Ref. No. 384, to Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

REPRESENTATIVE required to sell well-known brand of surgical rubber goods on commission basis, London area. Please forward particulars, stating any other goods handling, to 1/267, C. & D. Office.

REPRESENTATIVES required in certain parts of the country for the sale of Beaucaire. Beaucaire Laboratories, 27 Vauxhall Grove, S.W.8.

REPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, stores and chemists for sound repeating household products. Only salesmen accustomed to large turnover need apply. Reply to Slip, 95 Victoria Street, St. Albans, Herts.

REQUIRED, two experienced representatives, (a) Midlands, (b) Lancs, Yorks and North, for sales of surgical dressings and proprietories to hospitals. Commencing salary £500 plus bonus and adequate expenses. Superannuation scheme. Car an advantage. Full details to Sales Manager, Hospital Department, Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks.

SALES Manager. Applications are invited for this post by a leading proprietary house marketing nationally advertised medicinal and toilet preparations. Pharmaceutical training or experience an asset, and ability to handle established sales staff essential, together with a sound knowledge of administration. Write, giving full details of age, education, qualifications and experience, etc., to the Managing Director, Box No. 1/292, C. & D. Office.

SHORTHAND typist required by well-known firm cosmetic manufacturers, London. No Saturdays. Full details to 1/289, C. & D. Office.

TABLET Maker. Experienced man required, London, N.W., district (5-day week). Knowledge of granulating, use of single punch, also rotary machines. Permanency. Write, stating age, experience and salary required. Box 1/294, C. & D. Office.

TABLET maker, fully conversant with rotary and single punch machines. A progressive position with ample scope for man with initiative. 1/143, C. & D. Office.

THE manufacturers of Lather, the luxury washing preparation, have a few permanent positions for representatives, either full time or who are already calling on chemists in Southern England and the Midlands. Only steady and hard workers who are able to earn a high rate of commission are required. (Orders are delivered by our works in one to two weeks). Write to address below giving experience, if any, territory covered, etc., and best day for interview in London. 1/156, C. & D. Office.

VACANCIES exist in the production department and experimental laboratory of a West London firm of manufacturing chemists for a chemist with pharmaceutical qualifications. The positions are permanent and show excellent prospects for capable men. Commencing salary £450 per annum. 1/271, C. & D. Office.

WEST MIDLANDS. Young pharmacist required for high-class dispensing establishment, Birmingham. Saturday closing. 1/300, C. & D. Office.

WORKS chemist (non-graduate), seven years industrial experience, seeks post, Reply 1/290, C. & D. Office.

YOUNG qualified chemist (male) required. Apply, giving full particulars, to Armstrongs (Cambridge) Limited, 5/7 Norfolk Street, Cambridge.

CLERICAL

JUNIOR girl clerk required for make-up department of THE CHEMIST AND DRUGGIST. Hours 9.30 a.m. to 5 p.m., no Saturdays. Prospects of advancement and permanency. Write in first instance stating age, salary required and experience, if any, to The Secretary, Morgan Brothers (Publishers), Ltd., 28 Essex Street, Strand, London, W.C.2.

JUNIOR clerk-typist required for publishing department of THE CHEMIST AND DRUGGIST. Shorthand desirable but not necessary. Hours 9.30 p.m. to 5 p.m., no Saturdays. Write in first instance stating age, salary required and experience to The Secretary, Morgan Brothers (Publishers), Ltd., 28 Essex Street, Strand, London, W.C.2.

WHOLESALE (OVERSEAS)

BURMA.—Qualified Chemist required for large retail and manufacturing firm of chemists in Rangoon, Burma. Age not over 30, single man preferred. Salary between £400 and £500 p.a., according to experience and qualifications, free of Burma income tax, with annual increments of £25 p.a., plus free board and lodging and free passage both ways. The period of service to be for 3½ years, inclusive of 6 months' leave on completion of 3 years' active service in Burma.

Applicants should be of full British parentage and should write by air mail, stating age, qualifications and experience, to: Messrs. E. M. de Souza & Co., 465-69 Dalhousie Street, Rangoon, Burma. Copies of applications to be sent to: Messrs. Frank Ross & Co. (London), Ltd., 4 Lloyd's Avenue, London, E.C.3.

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-£600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance provident fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience, to Dept. F.18, 162/462,, C. & D. Office.

PHARMACEUTICAL Chemist for wor British-controlled company in S. India. perience in manufacture, standardisation, testi packing of pharmaceutical products essentia should be capable of working out original me and cosmetic preparations. Write, with ful ticulars of age, education, training and experie Box C 680, c/o Streets, 110 Old Broad Street,

PLANT chemists urgently required for p plant operations by large company operat the Middle East. Applicants need not be gra but should have had a chemical training Inter B.Sc. or National Certificate Standard experience of shift work in either a gas, coke or chemical works. Age not over 30. Sal sterling between £540 and £600 per annun generous allowances in local currency, with furnished bachelor accommodation, passage and home, medical attention, also kit allowan provident fund benefits. Apply stating age, fications and experience, etc., to Dept. 162/461, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additiona

WHOLESALE

CHARGE hand tablet maker, 30 years' all- experience granulating sugar and all co all kinds of machines and full control. 1/282, D. Office.

GENTLEMAN with wide experience co buying, package, development, stores and control, desires progressive post. 1/275. C.

APPOINTMENTS

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST

Applications are invited for the followi appointment at the County Hospital, Seve oaks Road, Orpington. Assistant Pharma (M.P.S. or Ph.C.), either sex. Hospital perience preferred. Salary £370 a year four increments of £15 and one of £20 £450 a year. Superannuation. Medi examination necessary. Applications, stati age, qualifications, experience, and the nam and addresses of two responsible persons whom reference may be made as to prof sional ability, to be sent to the Cou Medical Officer, County Hall, Maidstone, soon as possible.

W. L. PLATTS
Clerk of the County Counc

County Hall, Maidstone.
June 12, 1947.

LONDON COUNTY COUNCIL

Locum tenens dispensers (Apothecaries' Certificate preferred) required immediately duty in L.C.C. hospitals. Continuous work three to four months. All positions are n resident. Rate of pay a week, £7 5 6 (me £7 1 3 (women). Hours of duty 39 a we Application forms obtainable from the Medi Officer of Health (S.D.3), The County H Westminster Bridge, S.E.1. (1993).

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST quired for duty at Tooting Bec Hospital, To ing Bec Road, S.W.17. Candidates must Registered Pharmacists. Salary—five shilli an hour for a maximum of 21 hours a we Apply to Medical Superintendent. (2209).

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at St. Lawrence's Hospital, Caterham, Surrey. Candidates must be Registered Pharmacists. Salary five shillings an hour for a maximum of 21 hours a week. Apply to Medical Superintendent. (2207).

ROYAL FREE HOSPITAL, GRAY'S INN ROAD, LONDON, W.C.1

Applications are invited for the post of Assistant Pharmacist. Salary in accordance with J.N.C. scale. Applications, stating experience and giving names of two referees, should be addressed to the House Governor.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for CENTRAL MIDDLESEX COUNTY HOSPITAL, Park Royal, N.W.10. (Registered essential.) Similar experience may determine commencing salary on inclusive J.N.C. (Hosp. Staffs) scale, £370 x £15 to £450 p.a. Whole-time, established and pensionable, subject to medical exam. and 1 month's notice. Application, stating age, quals., exper., with copies of up to 3 recent testimonials, to MEDICAL DIRECTOR of Hospital. No forms. Closing date 12.7.47. (Quote C179 CD.)

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for CHASE FARM HOSPITAL, Enfield, Middlesex (registered essential). J.N.C. (hospital staff), salary £370 inclusive. Annual increments up to £450 p.a. considered. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Non-resident, established staff, subject to medical examination. Application stating age, qualifications, experience, with copies of up to three recent testimonials to Medical Director at Hospital, immediately. No forms. Closing date, July 24, 1947 (Quoting C188 CD).

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for HAREFIELD COUNTY HOSPITAL, Harefield, Mx. (Registered essential). J.N.C. (Hosp. Staffs) salary £370 inclusive; annual increments up to £450 p.a. considered. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished possible establishment; subject to medical examination. Application, stating age, quals., exper., with copies of up to 3 recent testimonials, to MEDICAL DIRECTOR at Hospital IMMEDIATELY quoting C.110 C.D. No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall, S.W.1.

QUEEN MARY'S HOSPITAL FOR THE EAST END,

STRATFORD, LONDON, E.15.

Applications are invited for the post of senior assistant pharmacist (male), salary according to J.N.C. scale (£415-£490 p.a.) with commencing salary within the scale according to experience. F.S.S. in force. Applications with full particulars and copies of testimonials to reach the House Governor and Secretary by July 23, 1947.

QUEEN CHARLOTTE'S MATERNITY HOSPITAL, GOLDHAWK ROAD, HAMMERSMITH, W.6.

25th JUNE, 1947

Assistant Pharmacist or Dispenser (Apothecaries' Hall Certificate) (woman) required, to commence 5th August — salary in accordance with Joint Negotiating Committee scale. Federated Superannuation Scheme in force. Applications should be sent to the Secretary of the Hospital.

SURREY COUNTY COUNCIL.

ASSISTANT PHARMACIST required at EPSOM COUNTY HOSPITAL, Dorking Road, Epsom. Commencing salary on grade £370 x 15 — £430 x 20 — £450 per annum inclusive. Applications in writing stating age, qualifications and experience, with copies of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

WEST RIDING OF YORKSHIRE HOSPITALS BOARD. PINDER FIELDS HOSPITAL, WAKEFIELD

APPOINTMENT OF ASSISTANT PHARMACIST

APPLICATIONS are invited for the position of ASSISTANT PHARMACIST at the above Hospital. The salary will be in conformity with the scale recommended by the Joint Negotiating Committee (Hospital Staffs), commencing at £370 per annum and rising by four annual increments of £15 and one of £20 to a maximum of £450 inclusive. Applications, stating age, experience and qualifications, together with the names and addresses of two persons to whom reference may be made, should be forwarded to the Medical Superintendent, Pinder Fields Hospital, Wakefield.

G. L. BANNER,
Clerk of the Board.

Board Offices, Wakefield.
June, 1947.

ASSISTANT DISPENSER required immediately with Apothecaries' Hall qualifications. National Joint Committee salary scale. Apply stating full particulars with copy testimonials to Superintendent, Royal Infirmary, Preston.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word

AGENT required for Lancashire area to handle medicinal line. Must have good connection with retail and wholesale chemists. Good commisson for live applicant. Car owner preferred. Send full particulars to 1/270, C. & D. Office.

AGENTS with chemists' connection required to carry as an additional line small cosmetic bottles. Write full particulars first application as to territory, etc., to Box 1/278.

VETERINARY COUNTER PRACTICE

Indispensable to the rural pharmacist. Profitable to the town pharmacist. 10/6 Post Free.

THE CHEMIST & DRUGGIST,
28 Essex Street, London, W.C.2

ESTABLISHED agents, with high-class connections with chemists and stores, required in all districts for the sale of high-quality medicated lozenge and tablets, Wilson's Hair Colour Restorer and Nu-Feet Salts. Applications, giving full details of ground covered and houses represented, to be addressed to "Agency," P.O. Box 31, Nottingham.

EXPORT. Managing director, member of Sales Managers' and Advertising Managers' Associations, with extensive marketing knowledge and experience, desires to contact first-class manufacturers wishing to enter Canadian Market. Advertiser is British and is taking up residence in Canada to organise selling agency specialising in British goods. Only high-class merchandise will be entertained. Box 1/301, C. & D. Office.

HERBAL products: Prominent company with nationally advertised direct to customer business wishes to contact retail distributor with connection with shops, general stores, etc. Power Press & Publicity Service, Ltd., Heathcote Road, Boscombe, Bournemouth.

IMPORTER desires to represent English manufacturing chemist house for packed pharmaceutical products, surgical goods, chemists' sundries, etc., exclusively for British East Africa. Large yearly turnover guaranteed. Preference will be given to attractively packed products and those who have experience of export trade should apply. Quote Ref. 759621., 1/131, C. & D. Office.

REPRESENTATIVES required, commission basis only, calling on chemists and departmental stores for well established quality product in the following areas: Scotland, Northern Counties, Midlands, East Anglia, Home Counties, West Country, South Wales. Write with full particulars 1/210, C & D. Office.

REPRESENTATIVES required for a well known brand of surgical rubber goods, on commission basis only, for the following territories: North England (excl. Lancs and Yorks), South Wales, East Anglia and Central Counties, South West England. 1/274, C. & D. Office.

SOAP. Manufacturers' agents with established connection in the North of Scotland wish to contact quality toilet soap manufacturers with view to representation in all counties North of Tay covering the entire retail Pharmaceutical trade only. Box 1/298, C. & D. Office.

TRAVELLERS calling on chemists, stores, Co-ops., etc., wanted for quick-selling and repeating line. Commission only. Write stating territory covered and lines carried. 1/263, C. & D. Office.

PARTNERSHIPS

WELL established Irish manufacturing company, marketing greyhound veterinary products, require working partner for expansion with £2,000 capital to organise sales end. 1/217, C. & D. Office.

BUSINESS OPPORTUNITIES

2/6 for 36 words or less, 3d. for every additional word

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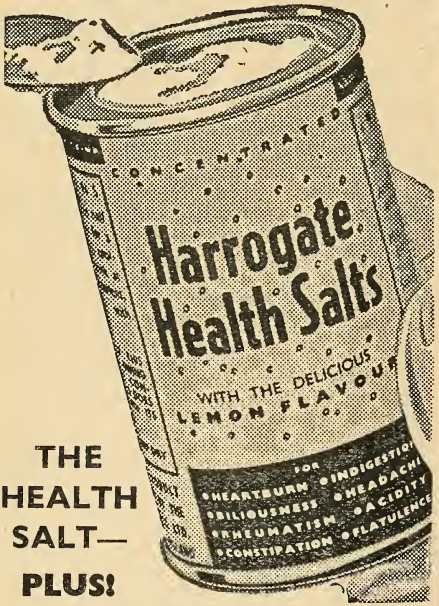

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